



MOTOROLA

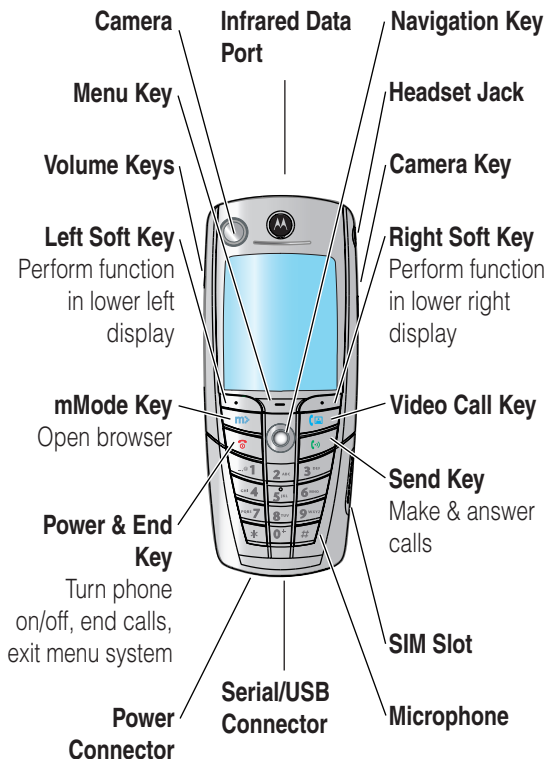
A845

3G

START HERE >

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola A845 3G wireless phone.



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Caution: Changes or modifications made in the radio phone, not expressly approved by Motorola, will void the user's authority to operate the equipment.

Manual Number: 6809481A77-O

Menu Map

Main Menu



Messages

- Create Message
- Voicemail
- Message Inbox
- Email Msgs
- Browser Msgs
- Quick Notes
- Outbox
- Drafts



Browser



Recent Calls

- Received Calls
- Dialed Calls
- Notepad
- Call Times



Games & Apps



Multimedia

- Pictures
- Camera
- Sounds
- Videos
- Video Camera



Datebook



Phonebook



Settings

- (see next page)



Tools

- Web Access
 - Browser
 - Web Shortcuts
 - Stored Pages
 - History
 - Goto URL
 - Browser Setup
 - Web Sessions
- Shortcuts
- Calculator
- Dialing Services
- Fast Menu

This is the standard main menu layout. Menu organization and feature names may vary on your phone. Not all features may be available on your phone.

* Indicates network or subscription-dependant features

Settings Menu



Personalize

- Home Screen
- Main Menu
- Color Style
- Greeting
- Wallpaper
- Screen Saver



Ring Styles

- Style
- style Detail
- My Tones



Connection

- IrDA Link
- Bluetooth Link
- Sync



Call Forward

- Voice Calls
- Video Calls
- Forward Status



In-Call Setup

- In-Call Timer
- My Caller ID
- Answer Options
- Call Waiting
- Msg Alert



Initial Setup

- Time and Date
- 1-Touch Dial
- Auto Redial
- Display Timeout
- Backlight
- TTY Setup
- Scroll
- Haptics
- Language
- Battery Save
- Contrast
- Brightness
- DTMF
- Master Reset
- Master Clear



Phone Status

- My Tel. Numbers
- Battery Meter
- Other Information



Headset

- Auto Answer
- Ringer Options



Car Settings

- Auto Answer
- Auto Handsfree
- Power-off Delay
- Charger Time



Network

- New Network
- Network Setup
- Available Networks
- Service Tone
- Call Drop Tone



Security

- Phone Lock
- Lock Keypad
- Lock Application
- Fixed Dial
- SIM PIN
- New Passwords



Java Settings

- Java System
- Delete All Apps
- App Vibration
- App Volume
- App Backlight
- DNS IP

* Indicates network or subscription-dependant features

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Getting Started



About This Guide

Caution: Before using the phone for the first time, read the *Important Safety and Legal Information* included in the gray-edged pages at the back of this guide.

This guide describes the basic features of your Motorola wireless phone.

Optional Features



This label identifies an optional network, SIM card, or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.

Optional Accessories



This label identifies a feature that requires an optional Motorola Original™ accessory.

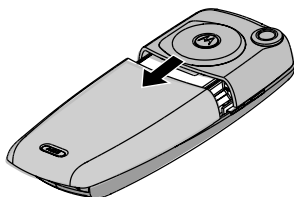
Installing the SIM Card

Your GSM SIM (Subscriber Identity Module) card contains your phone number, service details, and phonebook/message memory.

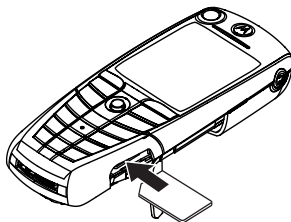
Caution: Do not bend or scratch your card. Avoid exposing your card to static electricity, water, or dirt.

Action

- 1 Push the battery door down to release it from the phone.



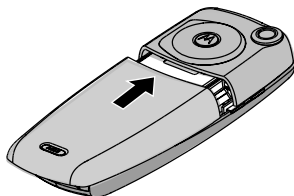
- 2 Open the card door on the right side of your phone.



- 3 Insert the card with the gold plate facing down and the notch as shown.

- 4 Close the card door.

- 5 Place the battery door back on the phone and push it up to snap it into place.



Battery Use

Battery performance depends on many factors, including your wireless carrier's network configuration; signal



strength; the temperature at which you operate your phone; the features and/or settings you select and use; items attached to your phone's accessory connector; and your voice, data, and other application usage patterns.

Caution: To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximize your battery's performance:

- Always use Motorola Original™ batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.
- New batteries or batteries that have been stored for a long time may require a longer charge time.
- Maintain the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.



The rechargeable batteries that power this phone must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods.

Warning: Never dispose of batteries in a fire because they may explode.



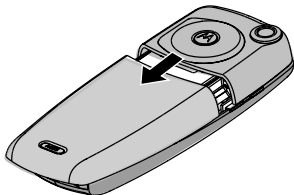
Installing the Battery



TM Your phone is designed to use only Motorola OriginalTM batteries and accessories. We recommend that you store batteries in their protective cases when not in use.

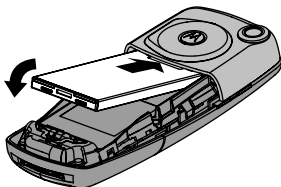
Action

- 1 If necessary, remove the battery from its protective clear plastic case.
- 2 Push the battery door down to release it from the phone.

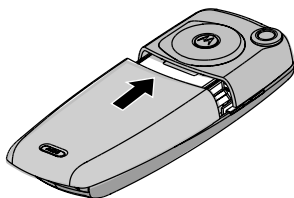


**Action**

- 3 Insert the battery, printed arrow first, **under the tab** at the top of the battery compartment and push down.



- 4 Place the battery door back on the phone and push it up to snap it into place.

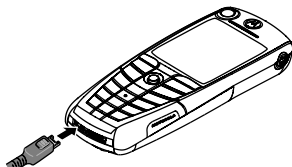


Charging the Battery

New batteries are shipped partially charged. Before you can use your phone, you need to install and charge the battery as described below. Some batteries perform best after several full charge/discharge cycles.

Action

- 1 Plug the travel charger into your phone with the release tab facing up.



Action

- 2 Plug the other end of the travel charger into the appropriate electrical outlet.
- 3 When your phone indicates **Charge Complete**, press the release tab and remove the travel charger.



Tip: You can safely leave the travel charger connected to your phone after charging is complete. This will not damage the battery.

Turning Your Phone On

Action

- 1 Press and hold  for 2 seconds to turn on the phone.

Power
Key



- 2 If necessary, press  to scroll to the User Account you want. Then press **SELECT** () to select the account from the list (stored on the SIM card).

**Action**

- 3** If necessary, enter your SIM card PIN code and press **OK** () to unlock the SIM card.

Caution: If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays **SIM Blocked**.

- 4** If necessary, enter your four-digit unlock code and press **OK** () to unlock the phone.

Tip: The unlock code is originally set to 1234. Your service provider may change this number before you receive your phone.

Adjusting Volume

Press the up or down volume keys to:

- increase or decrease earpiece volume during a call
- increase or decrease speakerphone volume during a call
- increase or decrease the ringer volume setting when the home screen is visible

Volume
Keys



Tip: At the lowest volume setting, press the down volume key once to switch to vibrate alert. Press it again to switch to silent alert. Press the up volume key to cycle back to vibrate alert, then ring alert.

- turn off an incoming call alert

Making a Call

To make video calls, see page 26.

Press	To
1 keypad keys	dial the phone number
2 	make the call
3 	end the call and “hang up” the phone when you are finished

Note: You can make an emergency call even when the phone is locked, or when a SIM card is not inserted (see page 61).

Answering a Call

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.

Press	To
1  or ANSWER 	answer the call
2 	end the call and “hang up” the phone when you are finished

Changing the Call Alert

In the home screen, press the down volume key to switch the alert for incoming calls and other events to vibrate alert, then silent alert. Press the up volume key to reset ring alert.



Viewing Your Phone Number



To view your phone number from the home screen, press  .

While you are on a call, press  > **My Tel. Numbers**.

Note: Your phone number must be stored on your SIM card to use this feature. To store your phone number on the SIM card, see page 53. If you do not know your phone number, contact your service provider.

Highlight Features

You can do much more with your phone than make and receive calls! This section describes some of your phone's highlight features.



Taking and Sending a Photo

Note: You can send pictures, videos, sounds, shortcuts, bookmarks, events, and phonebook entries to a connected computer (see page 147).

Shortcut: Press the camera key on the right side of your phone.

To activate your phone's camera:



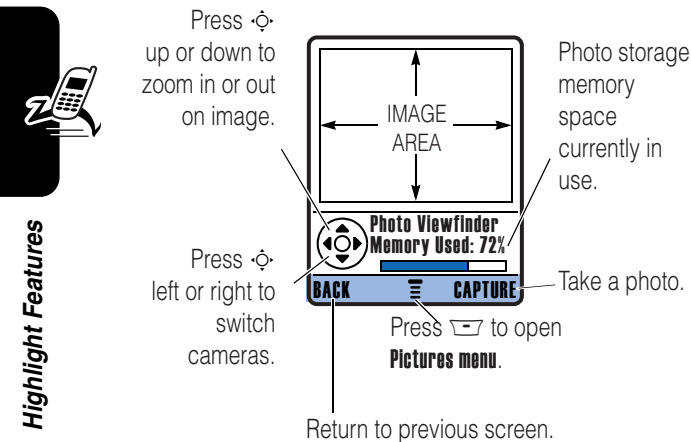
Camera Key

Find the Feature



> **Multimedia** > **Camera**

The active viewfinder image displays.



Point the camera lens at the photo subject, then:

Press	To
1 CAPTURE ()	take a photo
2 STORE ()	view storage options
If you choose to store the photo, continue to step 3.	
or	
DISCARD ()	delete the photo and return to active viewfinder
3 $\odot$ up or down	scroll to Send, Store Only, Set As Wallpaper, or Set as Screen Saver
4 SELECT ()	select the option

Press  to open the **Pictures Menu** when the camera is active. The **Pictures Menu** can include the following options:

Option	Description
Go To Pictures	View pictures and photos stored on your phone.
Internal / External View	Switch between the internal (self-portrait) and external cameras.
Delete All	Delete all pictures.
Setup	Open the setup menu to adjust picture settings.
Free Space	See how much memory remains for storing pictures.



Tip: To assign a stored picture to a phonebook entry, open the entry and press  > **Edit** > **Picture**. You cannot assign pictures to entries stored on your SIM card.

Using Photos and Pictures

You can send your photos to other wireless phone users or email addresses, assign photos to specific phonebook entries, and use them as wallpaper or screen saver images.

Downloading Pictures



Your phone may contain predefined photos, pictures, and animations. You can download and store additional images on your phone.

Note: The files that you download or receive as attachments might have a lock that keeps you from saving

them on external memory, forwarding them, or editing them.

To download a picture with the micro-browser, see page 169. To store a picture from a message, see page 81.



Viewing and Managing Pictures

Note: Some images have a  (locked) indicator. You cannot rename, delete, or send locked images.

To view a photo, picture, or animation stored on your phone:

Find the Feature



> **Multimedia** > **Pictures**

Press	To
1  up or down	scroll to the picture
2 VIEW ()	view the picture
3  up or down	view the next/previous picture
or	
	open the Pictures Menu to perform other options

Press  to open the **Pictures Menu** when the camera is active. The menu can include the following options:



Option	Description
Send	Insert selected picture in a new message.
Set as Wallpaper	Set the picture as your phone's Wallpaper image.
Set as Screen Saver	Set the picture as your phone's Screen Saver image.
New Picture	Capture a new picture.
Picture Album	Create a slideshow from a series of stored pictures.
Details	View picture information.
Rename	Rename the picture.
Delete	Delete the selected picture.
Delete All	Delete all pictures.
Setup	Open the setup menu to adjust picture and video settings (see page 182).
Free Space	View memory space available for storing pictures.

To adjust your phone's wallpaper and screen saver images, see page 55.

Recording Video Clips

Note: You can send pictures, videos, sounds, shortcuts, bookmarks, events, and phonebook entries to a connected computer (see page 147).

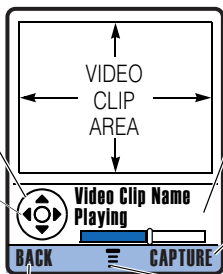
To record a video on your phone:



The active viewfinder image displays.

Press ◂ up
or down to
pause or play
the video clip.

Press ◂ left
or right to
switch
cameras.



Timer
indicates %
played.

Start video
capture.

Return to previous screen.

Press ☐
to open **Videos**
Menu.

Point the camera lens at the photo subject, then:

Press	To
1 CAPTURE (☐)	start the video
2 STOP (☐)	stop the video
3 STORE (☐)	view storage options
If you choose to store the video, continue to step 3.	
or	
DISCARD (☐)	delete the video and return to active viewfinder

Press	To
4  up or down	scroll to Send or Store Only
5 SELECT ()	select the option

Press  to open the **Videos Menu** when the camera is active. The menu can include the following options:

Option	Description
Go To Videos	View videos stored on your phone.
Internal / External View	Switch between the internal (self-portrait) and external cameras.
Delete All	Delete all videos.
Setup	Open the setup menu to adjust picture and video settings (see page 182).
Free Space	See how much memory remains for storing videos.

Using Video Clips

You can download video clips with the micro-browser, and receive video clips in multimedia messages.

Downloading Video Clips

To download a video clip with the micro-browser, see page 169. To store a video clip from a message, see page 81.



Viewing and Managing Video Clips

To play a video clip stored on your phone:



Find the Feature



> **Multimedia** > **Videos**

Press

To

1  up or down

scroll to the video clip

2 **PLAY** ()

start video clip playback

During video clip playback, press  to open the **Videos Menu** to perform various operation on the video:

Option	Description
Send	Insert selected video in a new message.
New Video	Capture a new video.
Details	View video information.
Delete	Delete the selected video.
Delete All	Delete all videos.
Setup	Open the setup menu to adjust video settings.
Free Space	View memory space available for storing videos.

Making Video Calls

If you call someone else who has a video phone, you can see each other while you talk.

Press	To
1 keypad keys	dial the phone number
2 	display the video call preview
3 	make the call
4 	end the call and “hang up” the phone when you are finished

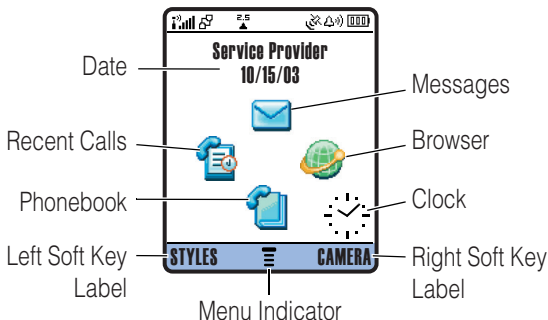


Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Display

The *home screen* is displayed when you are *not* on a call or using the menu. You must be in the home screen to dial a phone number.



Press the 5-way navigation key (⬇) left, right, up, or down to select one of the menu feature icons. If you select a menu icon by mistake, press  to return to the home screen.

Note: Your home screen may look different from the display shown above. For example, your service provider may hide the menu feature icons to allow a better view of the wallpaper image. You can still select the menu icons

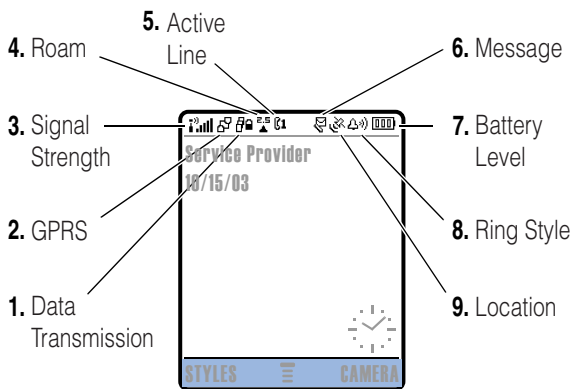
when they are hidden from view. To show or hide the menu icons, see page 118.

The  (menu) indicator indicates that you can press the menu key () to enter the main menu.

Labels at the bottom corners of the display show the current soft key functions. Press the left soft key () or right soft key () to perform the function indicated by the left or right soft key label.

Your phone can display an analog or digital clock in the home screen (see page 117).

The following status indicators can display:



1. Data Transmission Indicator

Shows connection and data transmission status. Indicators can include:



 = secure packet data transfer

 = secure application connection

 = secure Circuit Switch Data (CSD) call

 = Bluetooth® connection

 = unsecure packet data transfer

 = unsecure application connection

 = unsecure CSD call

2. GPRS Indicator



Shows that your phone is using a high-speed General Packet Radio Service (GPRS) network connection. GPRS allows faster data transfer speeds. Indicators can include:

 = GPRS PDP context active

 = GPRS packet data available

3. Signal Strength Indicator

Vertical bars show the strength of the network connection. You cannot make or receive calls when the  (no signal) indicator or  (no transmit) indicator is displayed.

4. Roam Indicator



Shows when your phone is seeking or using another network outside your home network. Indicators can include:

 = 2.5G home

 = 2G home

 = 2.5G roam

 = 2G roam

5. Active Line Indicator



Shows  during active call, or  when call forwarding is on. To set call forwarding, see page 125.

6. Message Indicator



Displays when you receive a new message. Indicators can include:

 = text message

 = voicemail message

 = voicemail and text message

 = answering machine message

When you enter a message, a number in this location shows the number of characters left on the current page (text message), or the message size (multimedia message or letter).

7. Battery Level Indicator

Vertical bars show the battery charge level. Recharge the battery when **Low Battery** displays and the battery alert sounds.

8. Ring Style Indicator

Shows the ring style setting.

 = loud ring

 = soft ring

 = vibrate

 = vibrate and ring

 = silent



9. Location Indicator



Your phone may be able to send location information to the network during an emergency call. Indicators show when your phone is sending location information:

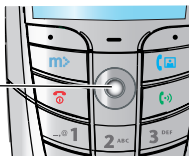
 = location on

 = location off

Using the 5-Way Navigation Key

Use the 5-way navigation key (◂◃◅◆◇) to scroll up, down, left, or right in the menu system. Press the center of the key (◉) to select a highlighted menu item.

5-Way
Key



Using Menus

From the home screen, press  to enter the main menu.



Press  to scroll to and highlight a menu feature icon in the main menu. The following icons may display in the main menu, depending on your service provider and service subscription options.



Icon	Feature	Icon	Feature
	Messages		Browser
	Recent Calls		Games & Apps
	Multimedia		Datebook
	Phonebook		Settings
	Tools		

Selecting a Menu Feature

To select a menu feature, starting from the home screen:

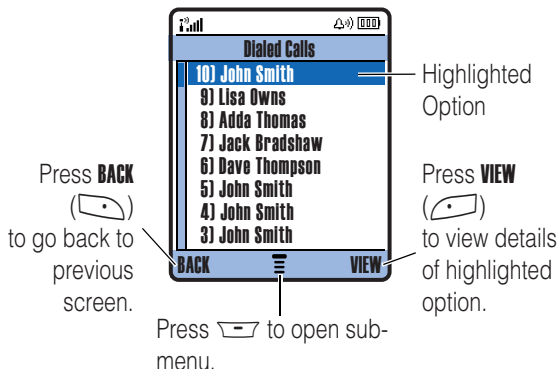
Find the Feature

 > **Recent Calls** > **Dialed Calls**

This example shows that from the home screen, you must press , scroll to and select **Recent Calls** from the main menu, then scroll to and select **Dialed Calls**. Press  to scroll to and select items. Press the left/right soft keys to select the functions listed in the bottom left and right corners of the display.

Selecting a Feature Option

Some features require you to select an option from a list:



Press  to scroll up or down to highlight the option you want.

In a numbered list, press a number key to highlight the option.

In an alphabetized list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list option.

When an option has a list of possible values, press  left or right to scroll through and select a value.

When an option has a list of possible numeric values, press a number key to set the value.

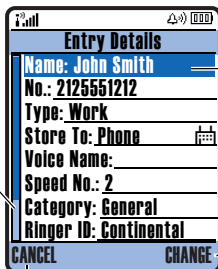


Entering Text

Some features require you to enter information.



Press  to scroll down to other options.



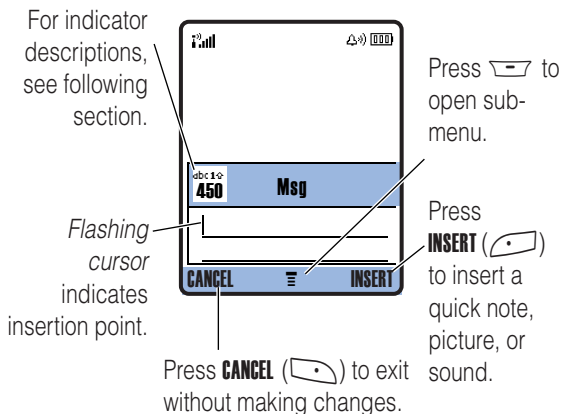
Entry Details	
Name:	John Smith
No.:	2125551212
Type:	Work
Store To:	Phone 
Voice Name:	
Speed No.:	2
Category:	General
Ringer ID:	Continental
CANCEL CHANGE	

Highlighted Option

Press **CHANGE** () to enter or edit information.

Press **CANCEL** () to exit without making changes. **CANCEL** displays when you enter or edit information.

The message center lets you compose and send text messages.



Choosing a Text Entry Mode

Multiple text entry modes make it easy for you to enter names, numbers, and messages. The mode you select remains active until you select another mode.

Press [#] in any text entry screen to select one of the following entry modes:

Primary

The primary text entry mode (see below to set).

Numeric

Enter numbers only (see page 44).

Symbol	Enter symbols only (see page 44).
Secondary	The secondary text entry mode (see below to set).

Alternatively, you can select a text entry mode in any text entry screen by pressing  > **Entry Mode**.

Setting Up a Text Entry Mode

Press  > **Entry Setup** from any text entry screen. Select **Primary Setup** or **Secondary Setup**, and choose:

ITAP	Let the phone predict each word as you press keys (see page 42).
Tap Method	Enter letters and numbers by pressing a key one or more times.
None	Hide the Secondary setting (only available for Secondary Setup).

Using Capitalization

Press  in any text entry screen to change text case. The following indicators show capitalization status:

abc = no capital letters	Abc = capitalize next letter only
ABC = all capital letters	

Text Entry Mode Indicators

When you select the **Primary** or **Secondary** text entry mode, the following indicators identify the text entry setting:



Primary	Second.	
1	2	Tap, no capital letters
1↑	2↑	Tap, capitalize next letter only
1↑	2↑	Tap, all capital letters
		iTAP, no capital letters
		iTAP, capitalize next letter only
		iTAP, all capital letters

The following indicators identify **Numeric** or **Symbol** entry mode:

123 = numeric mode @ = symbol mode

Using Tap Method

This is the standard mode for entering text on your phone.

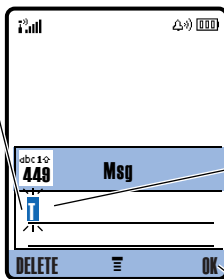
Tap Method cycles through the letters, number, and symbols of the key you press as shown in the chart on page 41.

Press	To
1 A keypad key one or more times	select a letter, number, or symbol
2 keypad keys	enter remaining characters
	Tip: Press right to accept a word completion, or to insert a space.
3 OK ()	store the text

In a text entry screen, you can press  to switch entry modes. If **Tap** is not available as the **Primary** or **Secondary** entry mode, see page 38.

When you enter text with **Tap**, the soft key functions change.

Block cursor indicates highlighted character.



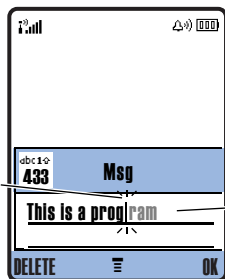
After 2 seconds, character is accepted and cursor moves to next position.

Press **DELETE** () to delete character to left of insertion point.

Press **OK** () to accept and store text.

When you enter 3 or more characters in a row, your phone may guess the rest of the word. For example, if you enter **prog** you might see:

Flashing cursor indicates insertion point.



Press right to accept **PROGRAM**, or press to reject it and enter a space after **prog**.

If you want a different word (such as **progress**), continue pressing keypad keys to enter the remaining characters.

Character Chart

Use this chart as a guide for entering characters with **Tap**.

	. ? ! , @ ' - _ : ; () & " ~ 1 0 ¿ ¡ % £ \$ ¥ ¢ € + x * / \ [] = > < # §
	a b c 2 á à â ã ç æ
	d e f 3 é ê ë ì
	g h i 4 í î ï
	j k l 5
	m n o 6 ñ ó ò ô õ ö
	p q r s 7
	t u v 8 ú û ü
	w x y z 9
	change text case, for capital letters



	enter a space (hold to enter a return)
	change text entry mode (hold for default)

Note: This chart may not reflect the exact character set available on your phone. In an email address or URL editor,  first shows common characters for that editor.

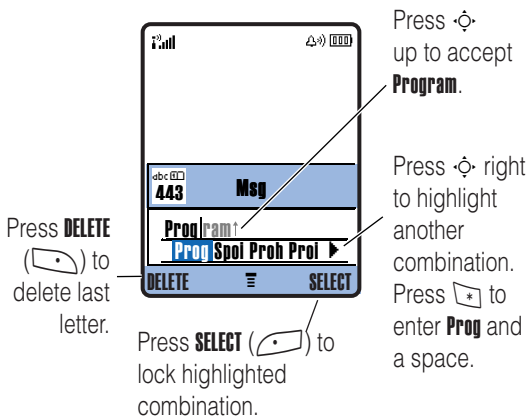
Tap Method Text Entry Rules

- Press a keypad key repeatedly to cycle through its characters.
- Press  left or right to move the flashing cursor to the left or right in a text message.
- The first character of every sentence is capitalized. If necessary, press  down to force the character to lowercase before the cursor moves to the next position.
- If you enter or edit information and do not want to save the changes, press  to exit without saving.

Using iTAP™ Mode

iTAP™ software provides a predictive text entry mode that lets you enter a word using one keypress per letter. This can be faster than **Tap**, because your phone combines the keypresses into common words.

For example, if you press    , letter combinations that match your keypresses display:



If you want a different word (such as **Progress**), continue pressing keypad keys to enter the remaining characters.

Entering Words

In a text entry screen, you can press  to switch entry modes. An indicator tells you which mode is active (see page 38). If **ITAP** mode is not available as the **Primary** or **Secondary** entry mode, see page 38.

Press	To
1 keypad keys (one press per letter)	show possible letter combinations at the bottom of the screen
2 . (keypad 12) left or right	highlight the combination you want



Press	To
3 SELECT ()	lock a highlighted combination You can press keypad keys to add more letters to the end of the combination.
or 	enter the highlighted combination when it spells a word A space is automatically inserted after the word.

If you enter a word your phone does not recognize, the phone stores it to use as one of your word options. When you fill memory space for unrecognized words, your phone deletes the oldest words to add new words.

Using Numeric Mode

In a text entry screen, press  to switch entry modes until the **123** (numeric) indicator displays.

Press keypad keys to enter the numbers you want. When you finish entering numbers, press  to switch to another entry mode.

Using Symbol Mode

In a text entry screen, press  to switch entry modes until the **@** (symbol) indicator displays.

Press	To
1 keypad keys (one press per symbol)	show possible symbols at the bottom of the display
2 ◂◃ left or right	highlight the symbol you want
3 SELECT (◂◃)	enter the highlighted symbol

Symbol Chart

Use this chart as a guide for entering characters with symbol mode.

	. ? ! , @ _ & ~ : ; " - () ' ` ~ ¢ ¤ £ \$ ¥ ¢
	@ _ \
	/ : ;
	" & '
	() [] {}
	~ ¢ ¤ ~
	< > =
	\$ £ ¥ ¢
	# % *
	+ - x * / = > < # §
	enter a space (hold to enter a return)
	change text entry mode (hold for default)

Note: This chart may not reflect the exact character set available on your phone. In an email address or URL editor, first shows common characters for that editor.



Deleting Letters and Words

Place the cursor to the right of the text you want to delete, and then:

Action

Press **DELETE** () to delete one letter at a time.

Hold **DELETE** () to delete the entire message.

Copying, Cutting, and Pasting Text

Press  from a text entry screen to display these options:

Option	Description
Copy Text	Copy the text you are about to highlight (see “Highlighting Text” below).
Copy All Text	Copy all text in the editor.
Cut Text	Cut the text you are about to highlight (see “Highlighting Text” below)
Cut All Text	Cut all text in the editor.
Paste	Paste the text you cut or copied.
Undo	Undo the last copy, cut, or paste in the current text editor.

Note: **Copy All Text** also displays in the menu (press ) when you are viewing details for a **Phonebook** entry, **Datebook** event, **Browser** page, text message, or **Recent Calls** entry.

Highlighting Text

In a text editor, to highlight and copy or cut text:

Find the Feature



> **Copy Text** or **Cut Text**

Press	To
1 	scroll to the beginning of the text you want to copy or cut
2 START ()	turn on the highlighting marker
3 	scroll to the end of the text you want to copy or cut
4 COPY () or CUT ()	copy or cut the text you selected You can now paste the text in another location or file.

Text remains on your clipboard, available to paste, until you copy or cut other text or until you turn off your phone.

Using the Handsfree Speaker

When you activate your phone's integrated handsfree speaker, you can talk to the other party without holding the phone to your ear.

Press **SPEAKER** () to turn the handsfree speaker on or off during a call.

When you turn the handsfree speaker on, your phone displays **Speaker On** in the home screen. The handsfree



speaker remains on until you press **SPEAKER** () again or turn the phone off.

Note: The handsfree speaker is disabled when you connect your phone to a handsfree car kit or headset accessory.

Changing a Code, PIN, or Password



Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Your service provider may reset these codes before you receive your phone.

If your service provider has not reset these codes, we recommend that you change them to prevent others from accessing your personal information. The unlock code must contain 4 digits, and the security code must contain 6 digits.

You can also reset your SIM card PIN code or PIN2 code, if necessary.

To change a code or password:

Find the Feature



> **Settings** > **Security**
> **New Passwords**

Locking and Unlocking Your Phone

You can lock your phone manually or set the phone to lock automatically whenever you turn it off.

To use a locked phone, you must enter the unlock code. A locked phone still rings or vibrates for incoming calls or messages, but you must unlock it to answer.

You can make emergency calls on your phone even when it is locked (see page 61).

Locking Your Phone Manually

Find the Feature



> **Settings** > **Security**
> **Phone Lock** > **Lock Now**

Press	To
1 keypad keys	enter your unlock code
2 OK ()	lock the phone

Unlocking Your Phone

Your phone's unlock code is originally set to 1234. Many service providers reset the unlock code to the last 4 digits of your phone number.

At the **Enter Unlock Code** prompt:

Press	To
1 keypad keys	enter your unlock code
2 OK ()	unlock your phone

Setting Your Phone to Lock Automatically

You can set your phone to lock every time you turn it off:





Press	To
1 keypad keys	enter your unlock code
2 OK ()	activate automatic lock



Locking and Unlocking the Keypad

Press   to lock or unlock the keypad. This feature prevents an accidental keypress from inadvertently dialing an emergency number or one-touch dial number (for example, when carrying your phone in a purse or pocket).

Note: Incoming calls unlock the keypad.

If You Forget a Code, PIN, or Password

Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Many service providers reset the unlock code to the last 4 digits of your phone number before you receive your phone.

If you forget your unlock code, try entering 1234 or the last 4 digits of your phone number. If that does not work, at the **Enter Unlock Code** prompt:

Press	To
1 	display the unlock code <i>bypass</i> screen
2 keypad keys	enter your <i>security code</i>
3 OK ()	submit your security code

If you forget your security code, SIM card PIN code, or PIN2 code, contact your service provider.

Using the Phonebook

This section briefly describes basic phonebook operations. For more information about using the phonebook, see page 94.

Storing a Phone Number

Enter a phone number in the home screen, then press **STORE** () to create a phonebook entry with that number. Fill in the other fields to complete the entry.

Select **MORE** to store another number (for example, a work number) under the same Name.

Recording a Voice Name

When creating a phonebook entry, scroll to **Voice Name** and press **RECORD** (). Press **RECORD** () again and say the entry's name (within 2 seconds). When prompted, press **RECORD** () and repeat the name. Press **DONE** () to store the voice name.

Note: This option is not available for entries stored on the SIM card.



Dialing a Number

Press  > **Phonebook** > entry to call.

Voice Dialing a Number

Press and hold . When prompted, say the entry's name (within 2 seconds).

Sorting Phonebook Entries



Press  > **Phonebook**, press  > **Setup** > **Sort by**, then select whether you want to sort the phonebook list by **Name**, **Speed No.**, **Voice Name**, or **Email**.

When sorting by name, you can view **All** numbers or just the **Primary** number for each name. To set the primary number for a name, see page 105.

Viewing Entries By Category

Press  > **Phonebook**, press  > **Categories**, then select whether you want to view **All** entries, entries in a predefined category (**Business**, **Personal**, **General**, **VIPs**), or entries in a category you created.

To set the category for a phonebook entry, see page 96.

Setting Up Your Phone

Storing Your Name and Phone Number



To store or edit your name and phone number information on your SIM card:

Find the Feature



> **Settings** > **Phone Status**
> **My Tel. Numbers**

Shortcut: Press   from the home screen to view or edit your name and phone number.

If you do not know your phone number, contact your service provider.

Setting the Time and Date

Your phone uses the time and date for the **Datebook**.

Find the Feature



> **Settings** > **Initial Setup**
> **Time and Date**

Setting a Ring Style

Your phone rings or vibrates to notify you of an incoming call or other event. This ring or vibration is called an *alert*.



You can select one of five different ring styles. The ring style indicator in the display shows the current ring style (see page 31).

To set a ring style:

Find the Feature



> **Settings** > **Ring Styles**
> **Style**

Press

To

1 up or down

scroll to the ring style

2 **SELECT** ()

select the ring style

Each ring style contains settings for specific event alerts, ringer ID, and ringer and keypad volume. To change these settings, press



> **Settings** > **Ring Styles** > *style Detail*.

- Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to **Vibrate** or **Vibe&Ring**. To turn off these vibrations, select > **Settings** > **Haptics** > **Off**.
- Java™ applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under > **Settings** > **Java Settings**.
- To turn off alerts for messages that arrive during a call, select > **Settings** > **In-Call Setup** > **Msg Alert** > **Not in Call**.



Setting a Wallpaper Image

You can set a photo, picture, or animation as a wallpaper (background) image in your phone's home screen. The wallpaper image displays as a faint watermark in text and menu displays.

Note: When you set an animation as a wallpaper image, only the first frame of the animation displays.

Find the Feature



> **Settings** > **Personalize**
> **Wallpaper**

Setting	Description
Picture	Select the picture or animation for the background image in your home screen.
Layout	Select Center , Tile , or Fit-to-screen .

Setting a Screen Saver Image

You can set a photo, picture, or animation as a screen saver image.

The screen saver image displays when the phone is on and no activity is detected for a specified time period. The image shrinks to fill the display, if necessary. An animation repeats for one minute, then the first frame of the animation displays.

Tip: Turn off the screen saver to extend battery life.

Find the Feature



> **Settings** > **Personalize**
> **Screen Saver**



Setting	Description
Picture	select the picture or animation for your screen saver
Delay	select how long your phone must be inactive before the screen saver picture displays Note: If this setting is longer than your Display Timeout setting, then your display will turn off before you see the screen saver.

Setting Display Contrast and Brightness



Find the Feature



> **Settings** > **Initial Setup**
> **Contrast** or **Brightness**

Setting Display Color

You can select the color palette that your phone uses to display indicators, highlights, and soft key labels.

Find the Feature



> **Settings** > **Personalize**
> **Color Style**

Adjusting the Backlight

You can set the amount of time that the display and keypad backlights remain on, or turn off backlights to extend battery life.



Setting Display Timeout

You can set the display to turn itself off when no activity is detected for a specified time period.



Using AGPS Location Information



Your phone can use Assisted Global Positioning Service (AGPS) to tell the network where you are physically located.

Note: You cannot use your camera while your phone is checking your location.

Limitations of AGPS

Sometimes adequate signals from multiple satellites are unavailable, usually because your AGPS phone's antenna cannot establish a view of a wide area of open sky. In these cases, the AGPS feature *will not work*. Such situations include, but are not limited to, the following:

- in underground locations
- inside of buildings, trains, or other covered vehicles
- under any other metal or concrete roof or structure
- between tall buildings or under dense tree cover



- near a powerful radio or television tower
- when your AGPS antenna is covered (for example, by your hand or other object) or facing the ground
- when there are temperature extremes outside the operating limits of the phone

Even where location information can be calculated in such situations, it may take more time than usual, and your location estimate may not be as accurate. Walking or driving very slowly may also substantially reduce AGPS performance.

Even where adequate signals from multiple satellites are available, your AGPS feature will provide only an approximate location, often within 150 feet (45 meters) but sometimes much farther from your actual location.

The satellites used by your phone's AGPS feature are controlled by the U.S. government and are subject to changes implemented in accordance with the Department of Defense AGPS user policy and the Federal Radio Navigation Plan. These changes may affect the performance of your phone's AGPS feature.

Hiding or Showing Location Information

When **AGPS Service** is turned **On**, services may use your known location to provide useful information (for example, driving directions, or the location of the nearest bank). Contact your service provider for details.

When **AGPS Service** is turned **Off**, it does not send location information. For more details, or to turn your AGPS Service on or off, contact your service provider.



Calling Features

For basic instructions on how to make and answer calls, see page 17.

Redialing a Number

Press	To
1 	view the dialed calls list
2  up or down	scroll to the entry you want to call
3 	redial the number

Using Automatic Redial



When you receive a busy signal, your phone displays **Call Failed, Number Busy**.

With automatic redial, your phone automatically redials the number. When the call goes through, your phone rings or vibrates one time, displays the message **Redial Successful**, and then connects the call.

To turn automatic redial on or off

Find the Feature



> **Settings** > **Initial Setup**
> **Auto Redial**

When automatic redial is turned off, you can manually activate the feature to redial a phone number. When you hear a busy signal and see **Call Failed, Number Busy**:



Press**To**or **RETRY** ()

activate automatic redial

Your phone automatically redials the number. When the call goes through, your phone rings or vibrates one time, displays **Redial Successful**, and then connects the call.

Using Caller ID

Incoming Calls



Calling line identification (Caller ID) displays the phone number for incoming calls.

The phone displays the caller's name (and picture, if available) if the name is stored in your phonebook, or **Incoming Call** when caller ID information is not available.

You can also set your phone to play a distinctive ringer ID for specific entries stored in your phonebook. For more information, see page 96.

Outgoing Calls



You can show or hide your phone number as an ID for the calls that you make.

Find the Feature



> **Settings** > **In-Call Setup**
> **My Caller ID**



You can override the default caller ID setting when you make a call. While dialing (with digits visible in the display), press  > **Hide ID/Show ID**.

Canceling an Incoming Call

While the phone is ringing or vibrating:

Press

To



or **IGNORE** ()

cancel the incoming call



Depending on your phone settings and/or service subscription, the call may be forwarded to another number, or the caller may hear a busy signal.

Turning Off a Call Alert

You can turn off your phone's incoming call alert before answering the call.

Press

To

either volume key

turn off the alert

Calling an Emergency Number

Your service provider programs one or more emergency phone numbers, such as 911 or 112, that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted. Your service provider can program additional emergency numbers into your SIM card. *However, your SIM card must be inserted in your*



phone in order to use the numbers stored on it. See your service provider for additional information on this issue.

Note: Emergency numbers vary by country. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

Press	To
1 keypad keys	dial the emergency number
2 	call the emergency number

Using AGPS During an Emergency Call



When you make an emergency call, your phone's assisted-Global Positioning System (AGPS) feature can calculate your approximate location and help emergency service personnel find you.

- This feature can work only if the emergency response center can receive and process location information. If you are concerned about whether your local emergency response center can receive AGPS location information, contact your local authorities.
- For the AGPS feature to work when making emergency calls, the service must be turned on (see page 58).

For best results, you should be located where your phone's antenna can establish a clear view of the open sky. This allows your phone to access AGPS satellite signals. Even under good conditions, it may take 30 seconds or more to



determine your approximate location. This time increases and the accuracy of the results decreases with reduced access to satellite signals.

If your phone does not have adequate access to AGPS satellite signals, the location of the nearest cell tower in contact with your phone is automatically provided to the emergency response center.

Because of the limitations of the AGPS feature, always provide your best knowledge of your location to the emergency response center, just as you would when using a phone without AGPS capabilities. Also, remain on the phone for as long as the emergency response center instructs you.

Dialing International Numbers

Press and hold  to insert the local international access code (+) for the country from which you are calling.

Viewing Recent Calls

Your phone keeps lists of the calls you recently received and dialed, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new entries are added.

Shortcut: Press  from the home screen to view the dialed calls list.

Find the Feature



> **Recent Calls**





Press	To
1  up or down	scroll to Received Calls or Dialed Calls
2 SELECT ()	select the list
3  up or down	scroll to an entry
	Note: ✓ means the call connected.
4 	call the entry's number
	Tip: Press and hold  for two seconds to send the number as DTMF tones during a call.
or	
	make a video call to the entry's number
or	
	if View displays above the  key, this displays entry details
	if Store displays above the  key, this stores the entry in the phonebook
or	
	open the Last Calls Menu to perform various operations on the entry

The **Last Calls Menu** can include the following options:

Option	Description
Store	Create a phonebook entry with the number in the No. field.
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Hide ID/Show ID	Hide or show your caller ID for the next call.
Send Message	Open a new text message with the number in the To field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent calls lists.
Send Tones	Send the number to the network as DTMF tones. This option displays only during a call.

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls, and displays:

- the  (missed call) indicator
- **X Missed Calls**, where **X** is the number of missed calls

Press	To
1 VIEW 	see the received calls list



Press	To
2  up or down	select a call to return
3 	make the call

Using the Notepad

The most recent set of digits entered on the keypad are stored in your phone's notepad memory. This can be a phone number that you called, or a number that you entered but did not call. To retrieve the number stored in the notepad:

Find the Feature

 > **Recent Calls** > **Notepad**

Press	To
	call the number
or	
	open the Dialing Menu to attach a number or insert a special character
or	
STORE ()	create a phonebook entry with the number in the No. field



Attaching a Number

While dialing (with digits visible in the display):

Press	To
 > Attach Number	attach a number from the phonebook or recent calls lists

Calling with Speed Dial

Each entry you store in your phonebook is assigned a unique speed dial number.

To see an entry's speed dial number, press  > **Phonebook**, scroll to the entry, press **VIEW** ().

To speed dial a phonebook entry:

Press	To
1 keypad keys	enter the speed dial number for the entry you want to call
2 	submit the number
3 	call the entry

Calling With 1-Touch Dial

To call phonebook entries 2 through 9, press and hold the single-digit speed dial number for one second.

Press and hold  to dial your voicemail number. To store your voicemail number, see page 69.



Using Voicemail



Voicemail messages that you receive are stored on the network. To listen to your messages, you must call your voicemail phone number.

Your service provider may include additional information about using this feature.

Listening to Voicemail Messages

Find the Feature



> **Messages** > **VoiceMail**

Shortcut: Press and hold  in the home screen.

The phone calls your voicemail phone number. If no voicemail number is stored, your phone prompts you to store a number.

Receiving a Voicemail Message

When you receive a voicemail message, your phone displays  (voicemail message indicator) and **New VoiceMail**.

Press

To

CALL 

listen to the message

The phone calls your voicemail phone number. If no voicemail number is stored, your phone prompts you to store a number.



Storing Your Voicemail Number

If necessary, use the following procedure to store your voicemail phone number on your phone. Usually, your service provider has already done this for you.

Find the Feature



> **Messages**



> **VoiceMail Setup**

Press	To
1 keypad keys	enter your voicemail number
2 OK ()	store the number

You cannot store a **p** (pause), **w** (wait), or **n** (number) character in this number. If you want to store a voicemail number with these characters, create a phonebook entry for it. Then, you can use the entry to call your voicemail. To store these characters in a number, see page 99.

Using Call Waiting



When you are on a call or downloading a file, an alert tone sounds to indicate that you have received a second call.



Press	To
1 	answer the new call
2 SWITCH ()	switch between calls
or	
LINK ()	connect the 2 calls

Press	To
or	
	end the call on hold
> End Call On Hold	

You must turn on call waiting to use the feature. To turn call waiting on or off:

Find the Feature

 > **Settings > In-Call Setup**
> **Call Waiting**

Putting a Call On Hold

Press	To
HOLD () (if available)	put the call on hold
or	
 > Hold	

Transferring a Call



You can announce that you are transferring an active call to another party, or you can directly transfer the call.

Announce the Call Transfer

Find the Feature

 > **Hold**



Press	To
1 keypad keys	dial the number where you are transferring the call
2 	call the number and speak to the person who answers
3 	open the menu
4  up or down	scroll to Transfer
5 SELECT ()	select Transfer
6 OK ()	confirm the transfer

Do Not Announce the Call Transfer

Find the Feature

 > **Transfer**

Press	To
1 keypad keys	dial the number where you are transferring the call
2 	transfer the call

Messages



You can send and receive messages containing a variety of media objects, including text, photos, pictures, animations, sounds, and video clips.

Setting Up the Message Inbox

You must set up your message inbox *before* you can send and receive messages.

Note: Usually, your service provider has already set up the message inbox for you.

Find the Feature



> **Messages**



> *inbox to set up*

Contact your service provider for setup details and values, if necessary.

Sending a Text Message



You can send an SMS *text message* to other wireless phone users, and to email addresses.

Find the Feature



> **Messages**

> **Create Message**

> **New Text Message**



Press	To
1 CHANGE ()	select Msg
2 keypad keys	enter the text message
or	
INSERT ()	insert a quick note, picture, or other object
3 OK ()	store the message
4 CHANGE ()	select the To field
5 keypad keys	enter one or more phone numbers and/or email addresses
or	
BROWSE ()	select recipients from the phonebook or recent calls lists
6 OK ()	store the recipients
7 DONE ()	finish the message
8 YES ()	send the message
or	
NO ()	view message details, save the message in the drafts folder, or cancel the message
Tip: If you select Save to Drafts, you can open the message later by selecting  > Messages > Drafts	



Sending a Multimedia Message



A *Multimedia Messaging Service (MMS)* message contains one or more pages with text and embedded media objects (including pictures or other files). You can send the multimedia message to other wireless phone users, and to email addresses.

Find the Feature

 > **Messages** > **Create Message**
> **New Multimedia Message**

Press	To
1 INSERT ()	display the types of objects you can insert
2  up or down	scroll to the type of object you want
3 SELECT ()	select the type
4  up or down	highlight the object you want
5 SELECT ()	insert the object
6 keypad keys	enter the text for the page
7 OK ()	store the text for the page
8 	open the MMS Menu to insert another page
or	
DONE ()	store the page and enter recipients



Press	To
9 keypad keys	enter one or more phone numbers and/or email addresses
or PH.BOOK ()	select recipients from the phonebook
10 OK ()	store the recipients
11  up or down	scroll to Subject
12 CHANGE ()	select Subject
13 keypad keys	enter the subject
14 OK ()	store the subject
15  up or down	scroll to Attachments
16 CHANGE ()	display the types of objects you can attach
17  up or down	scroll to the type of object you want
18 SELECT ()	select the type
19  up or down	highlight the object you want
20 SELECT ()	insert the object
21 BACK ()	return to the message display
Tip: Select New Attachment to attach another object.	
22  up or down	scroll to Receipt
23 CHANGE ()	select the Receipt field



Press	To
24 up or down	scroll to a type of receipt
25 ADD () or REMOVE ()	activate/deactivate the type of receipt
26 DONE ()	store the receipt type
27 DONE ()	finish the message
28 SELECT ()	select Send Message to send the message

Tip: If you select **Save to Drafts**, you can open the message later by selecting  > **Messages** > **Drafts**

Sending a Video Message



A video message can contain media objects inserted within a text message, and/or media objects attached to the message. You can send the message to email addresses.

Find the Feature

 > **Messages** > **Create Message**
> **New Video Message**

Press	To
keypad keys	enter text for the message
or	
INSERT ()	insert a quick note, media object, or contact info



You can insert media objects into the text as you type it. Photos, pictures, and animations display in the letter. Sounds and video clips are represented by a sound file or video clip indicator.

To insert a media object at the cursor location:

Press	To
1 	open the message menu
2  up or down	scroll to Insert Options
3 SELECT ()	display the type of objects you can insert
4  up or down	scroll to the type of object you want
5 SELECT ()	select the type
6  up or down	scroll to the object you want
7 SELECT ()	insert the object

When you finish composing the text:

Press	To
1 OK ()	store the text
2 keypad keys	enter one or more email addresses
or	
PH.BOOK ()	select recipients from the phonebook
3 OK ()	store the recipients





Press	To
4 up or down	scroll to Subject
5 CHANGE ()	select Subject
6 keypad keys	enter the subject
7 OK ()	store the subject
8 up or down	scroll to Attachments
9 CHANGE ()	display the types of objects you can attach
10 up or down	scroll to the type of object you want
11 SELECT ()	select the type
12 up or down	highlight the object you want
13 SELECT ()	insert the object
14 BACK ()	return to the message display
Tip: Select New Attachment to attach another object.	
15 up or down	scroll to Receipt
16 CHANGE ()	select the Receipt field
17 up or down	scroll to a type of receipt
18 ADD () or REMOVE ()	activate/deactivate the type of receipt
19 DONE ()	store the receipt type



Press	To
20 DONE ()	finish the message
21 SELECT ()	select Send Message to send the message

Tip: If you select **Save to Drafts**, you can open the message later by selecting  > **Messages** > **Drafts**

Viewing the Status of Sent Messages

Messages that you send are stored in the outbox.

Find the Feature

 > **Messages** > **Outbox**

Messages in the outbox are sorted from newest to oldest. The following indicators show message status:

» = sending in progress  = sent

✕ = sending failed

For additional information, highlight a message and press  > **Message Status**.

Tips For Sending Messages

- Press  to select a text entry mode when you enter message text (see page 37).



- When you enter message text, a counter above the text indicates the number of characters left.
- When you manually enter phone numbers and/or email addresses in the To field, you must insert a space between each entry. Press  to insert a space between each phone number or email address.

Receiving a Message



When you receive a message, your phone displays the  (message waiting) indicator and a **New Message** notification, and sounds an alert.

Press

To

READ 

open the message

If reminders are turned on, your phone sends a reminder at regular intervals until you close the new message notification, read the message, or turn off your phone.

When your phone displays **Memory is Full**, you must delete some existing messages from your inbox, outbox, or drafts folder to receive new messages.

Multimedia messages that you receive can contain different media objects:

- Photos, pictures, and animations are displayed as you read the message.



- A sound file or video clip begins playing when its slide is displayed. Use the volume keys to adjust the volume as the sound file or video clip plays.

Note: You might have to highlight an indicator embedded in the text to play a sound file or video clip.

- Attached files are appended to the message. To open the attachment, highlight the file indicator/filename and press **VIEW** () (image file type), **PLAY** () (sound file or video clip), or **OPEN** () (vObject such as phonebook or datebook entry, or unknown file type).

Reading, Locking, or Deleting a Message

Messages in the message inbox are sorted from newest to oldest. The following indicators show message status:

 = unread

 = unread (with attachment)

 = read

 = read (with attachment)

 = read and locked

 = read and locked (with attachment)

 = unread and urgent

 = unread and urgent (with attachment)

Note: The files that you download or receive as attachments might have a lock that keeps you from



saving them on external memory, forwarding them, or editing them.

The oldest messages are deleted automatically as specified by the inbox **Cleanup** setting. If you want to save a message, you should lock it to prevent it from being deleted during cleanup.

Find the Feature



> **Messages** > **Message Inbox**

Press	To
1 up or down	scroll to the message
2 READ ()	open the message
or	
	open the message menu to perform other options

The **Message Menu** can include the following options:

Option	Description
Call Back	Call the number in the message header or embedded in the message.
Go To	Launch the micro-browser and go to a Web address (URL) embedded in the message.
Replay	Replay a multimedia message.
Reply	Open a new message, with the sender's number or email address in the To field.



Option	Description
Reply To All	Open a new message, with the sender's number/address in the To field, and all other recipients listed in the Cc field.
Forward	Open a copy of the message, with an empty To field.
Lock or Unlock	Lock or unlock the message.
Store	Display a list of storable items, including inserted and attached files, and the sender's number or email address.
Delete	Delete the message.
Clean Up Messages	Apply your inbox cleanup settings.
Create Message	Open a new message.
Setup	Open the message inbox setup menu.



Email



You can send and receive email messages with your wireless phone.

Setting Up the Email Inbox

You must set up your email inbox before you can send and receive email messages.

Note: Usually, your service provider has already set up the email inbox for you.

Find the Feature



> **Messages**



> **Email Msg Setup**

Contact your service provider for setup details and values, if necessary.

Sending an Email Message



An email message can contain media objects inserted within a text message, and/or media objects attached to the message.

You can send an email message to one or more recipients. You can manually enter each recipient's email address, or select addresses from the phonebook.



When you manually enter email addresses, you must insert a comma, semicolon, or colon between each address.

Find the Feature



> **Messages** > **Create Message**
> **New Email** > **Msg**

Press	To
keypad keys	enter text for the message
or	
INSERT ()	insert a quick note, media object, or contact info

You can insert media objects into the text as you type it. Photos, pictures, and animations display in the letter. Sounds and video clips are represented by a sound file or video clip indicator.

To insert a media object at the cursor location:

Press	To
1 	open the message menu
2  up or down	scroll to Insert Options
3 SELECT ()	display the type of objects you can insert
4  up or down	scroll to the type of object you want
5 SELECT ()	select the type
6  up or down	scroll to the object you want
7 SELECT ()	insert the object



When you finish composing the text:

Press	To
1 OK ()	store the text
2 CHANGE ()	select To
3 keypad keys	enter one or more email addresses
or	
PH.BOOK ()	select recipients from the phonebook
4 OK ()	store the recipients
Tip: You can also enter Cc and Bcc recipients.	
5  up or down	scroll to Subject
6 CHANGE ()	select Subject
7 keypad keys	enter the subject
8 OK ()	store the subject
9  up or down	scroll to Attachments
10 CHANGE ()	display the types of objects you can attach
11  up or down	scroll to the type of object you want
12 SELECT ()	select the type
13  up or down	highlight the object you want
14 SELECT ()	insert the object



Press	To
15 BACK ()	return to the message display Tip: Select New Attachment to attach another object.
16  up or down	scroll to Priority
17  left or right	select a priority for the message
18 DONE ()	finish the message
19 YES ()	send the message
or	
NO ()	send the message later, save the message in the drafts folder, or cancel the message Tip: If you select Save to Drafts , you can open the message later by selecting  > Messages > Drafts

Viewing the Status of Sent Email Messages

Email messages that you send are stored in the outbox.

Find the Feature

 > **Messages** > **Outbox**

Messages in the outbox are sorted from newest to oldest. The following indicators show message status:



» = sending in progress  = sent

✕ = sending failed

Receiving an Email Message

Email messages that you receive are stored on your service provider's email server until you download them to your phone.

If your phone is set up to check periodically for new email messages, your phone displays the  (message waiting) indicator and a **New Message** notification, and sounds an alert when you receive an email message.

Press	To
READ ()	open the message

If reminders are turned on, your phone sends a reminder at regular intervals until you close the new message notification, read the message, or turn off your phone.

When your phone displays **Memory is Full**, you must delete some existing messages from your inbox, outbox, or drafts folder to receive new messages.

Tip: New email messages are completely downloaded to your phone. With the IMAP4 protocol, if message size is greater than the **Size restriction** setting, the email message header is downloaded instead. While downloading a series of messages, you can press **END** () to end the connection with the email server when downloading of currently transferred message is



complete. Press **END** () a second time to end the connection immediately.

Reading, Locking, or Deleting an Email Message

Messages in the email inbox are sorted from newest to oldest. The following indicators show message status:

 = unread

 = unread (with attachment)

 = read

 = read (with attachment)

 = read and locked

 = read and locked (with attachment)

 = unread and urgent

 = unread and urgent (with attachment)

Note: The files that you download or receive as attachments might have a lock that keeps you from saving them on external memory, forwarding them, or editing them.

The oldest messages are deleted automatically as specified by the inbox **Cleanup** setting. If you want to save a message, you should lock it to prevent it from being deleted during cleanup.

Note: If you create personal folders, the email inbox lists folders first. Messages are located inside the folders.



Press	To
1  up or down	scroll to the message
2 READ ()	open the message
3 BACK ()	close the message
or	
REPLY ()	compose and send a reply
or	
	open the Email Msg Menu to perform other options

The **Email Msg Menu** can include the following options:

Option	Description
Reply	Open a new email message, with the sender's email address in the To field.
Reply All	Open a new email message, with all of the original recipients' email addresses in the appropriate fields (To , cc). The bcc field is not copied.
Forward	Open a copy of the email message, with an empty To field.
Lock or Unlock	Lock or unlock the message.
Move To	Move the message to a personal folder.



Option	Description
Store	Display a list of items that can be stored, including the sender's number or email address.
Delete	Delete the message.
Delete All	Delete all email inbox messages.
Create Email	Open a new email message.
Send/Receive Mail	Connect to your email service provider to send and receive new email.
Folder	Create or modify personal folders.
Email Msg Setup	Open the email inbox setup menu.

Manually Sending and Receiving Email

If your phone is not set up to check periodically for new email messages, you must manually connect to your email service provider to send and receive email.

Find the Feature

 > **Messages**

 > **Send/Receive Mail**

Press	To
1 YES ()	connect to your email service when you see Connect Now?
2  up or down	scroll to the message
3 READ ()	open the message



Calling a Phone Number in an Email Message

Press	To
1  up or down	highlight the phone number in the message
2 CALL ()	call the number

Sending Email to an Embedded Email Address

Press	To
1  up or down	highlight the address in the message
2 MAIL TO ()	open a new email message, with the email address in the To field



Going to a Web Address in an Email Message

Press	To
1  up or down	highlight the Web address (URL) in the email message
Note: The URL must be underlined in the message.	
2 GO TO ()	launch the micro-browser and go to the URL

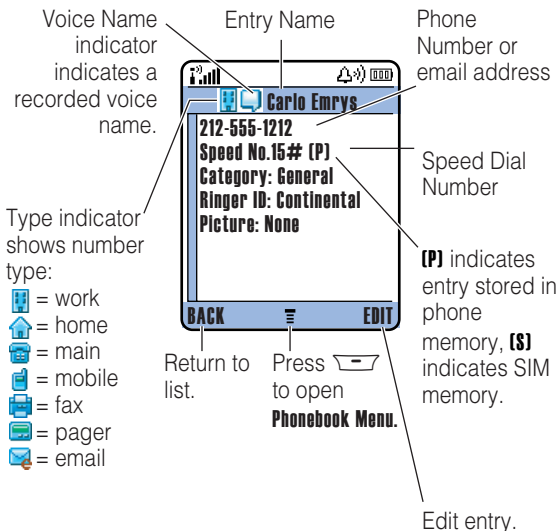


Setting Up Your Phonebook



You can store a list of names and phone numbers or email addresses in your phone's electronic phonebook.

To see the names in your phonebook, press  > **Phonebook** from the home screen. Scroll to a name and press **VIEW** () to view the following details for the phonebook entry.



Note: Entries stored on the SIM card do not have **Category**, **Type**, **Voice Name**, **Ringer ID**, or **Picture** information.

Creating a Phonebook Entry

To store a phone number or email address in the phonebook:

Find the Feature



> **Phonebook**



> **New** > **Phone Number** or
Email Address

Shortcut: Enter a phone number in the home screen, then press **STORE** () to create a phonebook entry with the number in the **No.** field.

You can store an entry on your phone or on the SIM card. A phone number or email address is required for a phonebook entry. All other information is optional. You can enter the following information for a phonebook entry.

Option	Description
Name	Specify the entry name. Press  to select a text entry mode (see page 36).
No. or Email	Specify the entry's phone number or email address (maximum 32 characters).
Type	Set the entry type. The Type option is not available for email entries, or for entries stored on the SIM card.





Option	Description
Store To	Set the entry's physical storage location (Phone or SIM).
Voice Name	Record a voice name for the entry. The Voice Name option is not available for entries stored on the SIM card.
Speed No.	Change the default speed dial number for the entry, if desired.
Category	Set the category to which the entry belongs (Business , Personal , General , or VIP). You can set the phonebook to display all entries, or display only entries in a specified category (see page 106). Note: The Category option is not available for entries stored on the SIM card.
Ringer ID	Set a distinctive ringer alert for the entry. Your phone sounds the ringer alert when you receive a call from this phone number. To activate ringer IDs, see page 115. Note: The Ringer ID option is not available for entries stored on the SIM card.



Option	Description
Picture	Assign a picture caller ID photo or picture to the entry. Your phone displays the picture when you receive a call from this phone number. Note: The Picture option is not available for entries stored on the SIM card.
MORE	Create another entry under the same Name. You must use a different Type identifier for each number.

When you are finished entering information, press **DONE** () to store the entry.

Creating a Group Mailing List

You can create a group mailing list consisting of multiple phone numbers and email addresses previously stored in the phonebook. Mailing lists make it easy for you to send a text message to multiple recipients simultaneously.

Find the Feature



> **Phonebook**



> **New** > **Mailing List**

A name is required for a mailing list entry. The mailing list must contain at least one member. You can enter the following information for a mailing list entry.



Option	Description
Name	Specify the mailing list name. Press  to select a text entry mode (see page 36).
Members	Open the list of phonebook entries that you can add or remove from the mailing list.
Voice Name	Record a voice name for the mailing list.
Speed No.	Change the default speed dial number for the mailing list, if desired. Note: You cannot store a mailing list on the SIM card.
Category	Set the category to which the list belongs (Business , Personal , General , or VIP). You can set the phonebook to display all entries, or display only entries in a specified category (see page 106).

When you are finished entering information, press **DONE** () to store the mailing list as a phonebook entry.

Storing a PIN Code With a Phone Number

You can store a PIN code with the phone number for calls that require additional digits (for example, to make a calling card call, or to retrieve voicemail or answering machine messages). Insert one or more of the following characters in the dialing sequence to ensure that the number dials and connects properly:



Press	To
 > Insert Pause	insert a p (pause) character Your phone dials the preceding digits, waits for the call to connect, then dials the remaining digit(s). Note: If your phone does not recognize the first pause character, try 2 (pp).
 > Insert Wait	insert a w (wait) character Your phone dials the preceding digits, waits for the call to connect, then prompts you for confirmation before it dials the remaining digit(s).
 > Insert 'n'	insert an n (number) character Your phone prompts you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the n character.



You can store a maximum of 32 digits for a phonebook entry stored on the phone. The maximum number may vary for entries stored on the SIM card. Each character counts as one digit.

You cannot store a number that contains a **W** or **II** character on the SIM card.

Recording a Voice Name For a Phonebook Entry

You can record a voice name for a new or existing phonebook entry. A voice name lets you call the phonebook entry using voice dial.

Note: You cannot record a voice name for an entry stored on the SIM card.

Tip: Make your recording in a quiet location. Hold the phone about 4 inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone.

Find the Feature



> **Phonebook**

Action

- 1 Press **◂◃** to scroll to the entry.
- 2 Press **VIEW** () to view entry details.
- 3 Press **EDIT** () to edit the entry.
- 4 Press **◂◃** to scroll to **Voice Name**.
- 5 Press **RECORD** () to begin recording.

Action

- 6 Press **RECORD** () again and say the entry's name (within 2 seconds) to record the voice name.
- 7 When prompted, press **RECORD** () and repeat the name.
- 8 Press **DONE** () to store the voice name.

Dialing a Phonebook Entry

Use one of the following procedures to call a number (or send a text message to an email address or mailing list) stored in your phonebook.

Phonebook List

Find the Feature

> **Phonebook****Press****To**

- | | | |
|---|--|--|
| 1 | keypad key letter | jump to entries that begin with that letter (optional) |
| 2 |  up or down | scroll to the entry |
| 3 |  | make the call |

Voice Dial

Press and hold , then say the name when prompted.

Video Dial

Find the Feature

> **Phonebook**



Press	To
1 keypad key letter	jump to entries that begin with that letter (optional)
2 up or down	scroll to the entry
3 > Video Call	make the call

Storing Longer Numbers

A phonebook number can contain a maximum of 32 digits and characters. You can create multiple phonebook entries to store a dialing sequence that exceeds the 32-character limit. Then you can send the entries in sequence to dial the number.

To store a dialing sequence longer than 32 characters:

Action

- 1 Create a phonebook entry to store the first part of the dialing sequence (for example, the number for your long-distance service provider).
- 2 Create a second phonebook entry to store the next part of the dialing sequence (for example, the country code and phone number for an international call).
- 3 Repeat step 2 as necessary to store the entire dialing sequence. (For example, create a third phonebook entry to store your calling card number and PIN number.)

To dial a dialing sequence stored as multiple phonebook entries:



Action

- 1 Dial the first phonebook entry. Perform any pause or wait tasks, if necessary, to complete the dialing sequence. Your phone returns to the home screen.
- 2 Press  > **Phonebook** to reopen the phonebook.
- 3 Highlight the second phonebook entry, then press  > **Send Tones** to send the next portion of the dialing sequence.
- 4 Repeat steps 2 and 3 as necessary to send the entire dialing sequence.

Editing a Phonebook Entry

Tip: You can also use the following procedure to edit a fixed dial entry by selecting  > **Tools** > **Dialing Services** > **Fixed Dial**.

Find the Feature

 > **Phonebook**

Press	To
1  up or down	scroll to the entry Press  to open the Phonebook Menu to perform various options on the entry.
2 VIEW ()	view entry details
3 EDIT ()	edit the entry

Deleting a Phonebook Entry



Find the Feature

 > **Phonebook**

Press	To
1  up or down	scroll to the entry
2 	open the Phonebook Menu
3  up or down	scroll to Delete
4 SELECT ()	select Delete

Sorting the Phonebook List

You can sort your phonebook list by name (the standard), speed dial number, voice name, or email address.

Note: The voice name sort is identical to the name sort, except that the entries with voice name tags display first.

Find the Feature

 > **Phonebook**

 > **Setup** > **Sort by**

Press	To
1  up or down	scroll to Name, Speed No., Voice Name, or Email
2 SELECT ()	select the sort order

If you select **Speed No.**, **Voice Name**, or **Email**, the procedure is complete.

If you select **Name**, you must specify whether you want to view all numbers or just the primary number for each name:



Press	To
3	scroll to View:
4 CHANGE ()	change view preference
5	scroll to Primary Contacts or All Contacts
6 SELECT ()	select the view preference
7 DONE ()	set the view preference

To set an entry's primary phone number, see the following procedure.

Tip: When the phonebook list displays primary numbers only, you can scroll to a name and press left or right to view other numbers associated with the name.

Setting the Primary Number for a Phonebook Entry

When you enter multiple phone numbers for the same name, you can specify the primary number.

Find the Feature

> **Phonebook**

Press	To
1	scroll to the entry
2	open the Phonebook Menu
3	scroll to Set Primary
4 SELECT ()	select Set Primary



Press	To
5 up or down	scroll to the number you want to set as the primary number
6 SELECT ()	set the primary number

Depending on how the phonebook list is sorted, the primary number is listed first, or is the only number that displays for a phonebook entry.

Using Phonebook Category Views

Setting the Phonebook Category View

You can view all entries in the phonebook list, or view only the entries in the category you specify.

Find the Feature



> **Phonebook**



> **Categories**

Press	To
1 up or down	scroll to All , Business , Personal , General , VIPs , or another category that you created
2 SELECT ()	select the category view

Note: The phonebook category view is reset to **All** each time you turn the phone on.

Creating a New Category

Your phone includes several predefined phonebook categories. You can create additional categories, and customize the way your phone notifies you of incoming calls from entries in different categories.



Find the Feature

 > **Phonebook**

 > **Categories**

 > **New**

A name is required for the category. All other information is optional. You can enter the following information for a category.

Option	Description
Name	Enter the category name. Press  to select a text entry mode (see page 36).
Members	Open the list of phonebook entries that you can add or remove from the category.
Ringer ID	Set a distinctive ringer alert for the category. Your phone uses the alert to notify you when you receive a call from an entry in this category. To activate ringer IDs, see page 115. A ringer ID for an individual entry overrides the category alert.

Editing a Category



Find the Feature

 > **Phonebook**

 > **Categories**

Press	To
1  up or down	scroll to the category
2 	open the Category Details menu
3  up or down	scroll to Edit
4 SELECT ()	edit the category

Edit the category information as described in the previous section.

- You cannot edit the **All** category.
- You cannot edit the name of the **General** category.

Deleting a Category

Find the Feature

 > **Phonebook**

 > **Categories**

Press	To
1  up or down	scroll to the category
2 	open the Category Details menu
3  up or down	scroll to Delete
4 SELECT ()	delete the category

- You cannot delete the **All** or **General** categories.

- When you delete a category, all entries in the category revert to **General**.

Reordering Categories

You can reorder the items in the category list.

Find the Feature

 > **Phonebook**

 > **Categories**

 > **Reorder List**

Press	To
1  up or down	scroll to a category
2 GRAB ()	grab the category
3  up or down	move the category to a new location in the list
4 INSERT ()	insert the category
5 DONE ()	store the reordered category list

Note: You cannot move the **All** category. **All** always remains the first entry in the category view list.

Copying Phonebook Entries

You can copy one or more phonebook entries to a new speed dial location on the phone or SIM card. This procedure does not delete the original entry.

The SIM card cannot store **Category**, **Type**, **Voice Name**, **Ringer ID**, or **Picture** information. When you copy an entry from the phone to the SIM card, your phone prompts you for



confirmation before dropping this information and copying the entry.



Copying One Entry

Find the Feature



> **Phonebook**

Press	To
1 up or down	scroll to an entry you want to copy
2	open the Phonebook Menu
3 up or down	scroll to Copy Entry
4 SELECT (	select Copy Entry
5 keypad keys	enter the new location
6 OK (	store the entry at the new location

Copying More than One Entry

Find the Feature



> **Phonebook**

Press	To
1 up or down	scroll to an entry you want to copy
2	open the Phonebook Menu
3 up or down	scroll to Copy
4 SELECT (	select Copy Entries
5 SELECT (	select Copy Entries



Press	To
6 keypad keys	enter the first entry number to copy in From (start)
7 OK ()	store the number
8 keypad keys	enter the last entry number to copy in From (end)
9 OK ()	store the number
10 keypad keys	enter the first entry number to copy in To (start)
11 OK ()	store the number
12 DONE ()	copy the entries to the selected location
	If necessary, press YES () to confirm the copy of phone entries to the SIM card.

Copying a Phonebook Entry to Another Device

You can send pictures, sounds, datebook events and phonebook entries to a connected computer (see page 147).

Checking Phonebook Capacity

You can see how much memory space remains for storing phonebook and datebook entries on the phone, and how many more phonebook entries you can store on the SIM card.



Find the Feature

 > **Phonebook**

Press	To
1 	open the Phonebook Menu
2  up or down	scroll to Phone Capacity or SIM Capacity
3 SELECT ()	select Phone Capacity or SIM Capacity Your phone displays the phone memory meter, or the number of SIM card phonebook entries available.

Setting 1-Touch Dial Preference

You can set 1-touch dial to call the entries in your phone memory phonebook or the SIM card phonebook.

Find the Feature

 > **Settings** > **Initial Setup** > **1-Touch Dial**

Press	To
1  up or down	scroll to the list you want
2 SELECT ()	select the list

Synchronizing Phonebook Entries



You can synchronize your phonebook entries with an Internet server using a wireless connection (see page 146). This synchronizes the **Category**, **Ringer ID**, **Icon ID**, and **Mailing List** information for each phonebook entry.

If the other device supports Bluetooth® wireless connections, you can set up a Bluetooth wireless link with your phone to synchronize phonebook entries.



Personalizing Your Phone

Personalizing a Ring Style

You can change the alerts that notify you of the following events: incoming calls, text messages, voicemail messages, data calls, alarms, and reminders. Any changes you make are applied to the current ring style.

Find the Feature

 > **Settings** > **Ring Styles**
> *style* **Detail**

Note: *style* represents the current ring style.

Press	To
1  up or down	scroll to the event
2 CHANGE ()	select the event
3  up or down	scroll to the alert you want
4 SELECT ()	select the alert

- Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to **Vibrate** or **Vibe&Ring**. To turn off these vibrations, select  > **Settings** > **Haptics** > **Off**.
- Java™ applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under  > **Settings** > **Java Settings**.

- To turn off alerts for messages that arrive during a call, select  > **Settings** > **In-Call Setup** > **Msg Alert** > **Not in Call**.

Activating Ringer IDs

When ringer IDs are turned on, your phone uses distinctive ring tones to notify you of incoming calls or messages from specific entries in your phonebook or specific categories of entries in your phonebook.

Note: To assign a ringer ID to a new or existing phonebook entry, see page 95.

Find the Feature



> **Settings** > **Ring Styles**
> *style* **Detail** > **Ringer IDs**

Note: *style* represents the current alert style.

Press	To
1  up or down	scroll to On or Off
2 SELECT ()	select the option

Setting Ringer or Keypad Volume

Find the Feature



> **Settings** > **Ring Styles**
> *style* **Detail**

Note: *style* represents the current alert style.



Press	To
1  up or down	scroll to Ring Volume or Key Volume
2  left or right	scroll to the desired volume
3 OK ()	store the setting

Setting Reminders

A reminder is an alert that rings or vibrates at regular intervals to notify you about a message that you have received, or a datebook event you have scheduled.

Find the Feature



> **Settings** > **Ring Styles**
> *style* **Detail** > **Reminders**

Note: *style* represents the current alert style.

Press	To
1  up or down	scroll to Beep or Vibrate to set the reminder alert type, or Off to turn off all reminders
2 SELECT ()	select the reminder alert

Activating Haptic Vibrations

Some ring tones include vibrations. You can turn these vibrations on or off for your phone.

Find the Feature



> **Settings** > **Initial Setup**
> **Haptics** > **On** or **Off**

- Java™ applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under  > **Settings** > **Java Settings**.
- To turn off alerts for messages that arrive during a call, select  > **Settings** > **In-Call Setup** > **Msg Alert** > **Not in Call**.

Setting a Personal Greeting



Set a personal greeting that displays when you turn on your phone.



Find the Feature

 > **Settings** > **Personalize**
> **Greeting**

Setting Display Text

Text that displays in the home screen can be left justified or centered.

Find the Feature

 > **Settings** > **Personalize**
> **Home Screen** > **Layout**

Press	To
1  up or down	scroll to Left Justified or Centered
2 SELECT ()	select the text layout

Selecting the Clock View

You can display an analog clock or a digital time readout in the home screen.

Find the Feature

 > **Settings** > **Personalize**
> **Home Screen** > **Clock**

Press	To
1  up or down	scroll to Analog or Digital
2 SELECT ()	select the clock view

Showing or Hiding Menu Icons

Show or hide the menu feature icons that display in the home screen. When you select Hide, the menu icons are hidden but remain active in the home screen, and you can press  to select them as usual.

Find the Feature

 > **Settings** > **Personalize**
> **Home Screen** > **Home Keys**
> **Icons**

Press	To
1  up or down	scroll to Show or Hide
2 SELECT ()	select the option

Personalizing Soft Keys and Menu Icons

You can change the menu feature icons and soft key labels (left  and right ) that display in the home screen, to access different main menu items from the home screen.

Find the Feature

 > **Settings > Personalize**
> **Home Screen > Home Keys**

Press	To
1  up or down	scroll to Up, Down, Left, Right, Left Soft Key, or Right Soft Key
2 CHANGE ()	select the icon or soft key
3  up or down	scroll to a menu feature
4 SELECT ()	confirm the menu feature

Setting the Menu View

Set your phone to display the main menu as graphic icons (the default setting) or as a text-based list.

Find the Feature

 > **Settings > Personalize**
> **Main Menu > View**

Press	To
1  up or down	scroll to Icons or List
2 SELECT ()	select the menu view

Personalizing the Menu

You can reorder the items in your phone's main menu.

Find the Feature

 > **Settings > Personalize**
> **Main Menu > Reorder**



Press	To
1  up or down	scroll to a menu item
2 GRAB ()	grab the menu item
3  up or down	move the item to a new location in the menu
4 INSERT ()	insert the menu item

Setting the Menu Language

Set the language in which menu features and options are displayed.

Find the Feature

 > **Settings** > **Initial Setup**
> **Language**

Setting Menu Scroll Behavior

Set the highlight bar to stop or wrap around when you reach the top or bottom of a menu list.

Find the Feature

 > **Settings** > **Initial Setup**
> **Scroll**

Resetting All Options

Reset all options back to their original factory settings, except for the unlock code, security code, and lifetime timer.

Find the Feature

 > **Settings** > **Initial Setup**
> **Master Reset**

Clearing All Stored Information

Reset all options back to their original factory settings, *except* for the unlock code, security code, and lifetime timer, erase all downloaded pictures, animations and sound files, and clear all user settings and entries, *except* for information stored on the SIM card.

Caution: Master clear **erases all user-downloaded content and user-entered information** stored in your phone's memory, including phonebook and datebook entries. After you erase the information, you cannot recover it. Master clear does not delete any information stored on the SIM card.

Find the Feature



> **Settings** > **Initial Setup**
> **Master Clear**



Creating and Using Shortcuts

Your phone includes several standard shortcuts. You can create additional custom shortcuts to frequently used menu items.

Standard Shortcuts

The following shortcuts are preprogrammed on your phone. You cannot edit or delete these shortcuts.



Task	Shortcut
Change your phone's ringer alert setting	Press the down volume key (at lowest volume setting) to switch to vibrate call alert. Press again to switch to silent call alert. Press the up volume key to cycle back to vibrate alert, then ring alert.
Lock your keypad	From the home screen, press .
Display your phone number	From the home screen, press .
Go to the dialed calls list	From the home screen, press .
Exit the menu system	Press .

Creating a Shortcut

Action

- 1 Press to enter the menu system.
- 2 Press up or down to scroll to the menu item.
- 3 Press and hold to open the shortcut editor.

Action

- 4 Press **YES** () to view shortcut options.

To change the keypad shortcut number:

- a Press  up or down to scroll to **Key**
- b Press keypad keys to enter the new key
- c Press **OK** to store the new key

- 5 Press **DONE** () to store the shortcut.

Using a Keypad Shortcut

Press	To
1 	open the main menu
2 a number key	go to the menu item with that shortcut number

Selecting a Shortcut From the List

Find the Feature  > **Tools** > **Shortcuts**
> *shortcut name*

Editing or Deleting a Shortcut

The shortcut list is sorted by key. If you change a shortcut's key, you change its place in the list.

Find the Feature  > **Tools** > **Shortcuts**



Press	To
1  up or down	scroll to the shortcut
2 	open the Shortcut Menu to perform various options on the shortcut

The **Shortcut Menu** can include the following options:

Option	Description
New	Read instructions on how to create a new shortcut.
Edit	Edit the shortcut. Tip: Use this option to delete the associated voice shortcut.
Reorder List	Change the shortcut list order.
Delete	Delete the shortcut.
Delete All	Delete all shortcuts.



Getting More Out of Your Phone

Making a Conference Call



Connect an active call and a call on hold so that all parties can speak to each other.)

Press	To
1 keypad keys	dial the first party's number
2 	call the number
3 HOLD ( (if available) or  > Hold	put the call on hold.
4 keypad keys	dial the next party's number
5 	call the number
6 LINK ()	connect the 2 calls
7 	end the conference call

Tip: Repeat steps 3 to 6 to add additional parties to the conference call.

Forwarding Calls



Forward your phone's incoming voice, and/or video calls directly to another phone number.



Setting Up or Canceling Call Forwarding

Find the Feature



> **Settings** > **Call Forward**

Press	To
1	scroll to the type of calls you want to forward
2 SELECT ()	view call forwarding details
3	scroll to Forward
4 CHANGE ()	select Forward
5	scroll to a forwarding option
6 SELECT ()	store the option
7	scroll to To (for Detailed forwarding , scroll to If Busy , If No Answer , or If Unreachable)
8 CHANGE ()	change the phone number
9 keypad keys	enter the forwarding phone number
or	
BROWSE ()	select a number from the phonebook or recent calls lists
10 OK ()	store the number
11 DONE ()	save call forwarding settings

Note: Repeat this procedure to enter forwarding information for other call types.

The forwarding options are:

Option	Description
All Calls	Forward all calls (a  displays in the status bar).
If Unavailable	Forward calls if your phone is unavailable.
Detailed	Set different forwarding numbers if you are out of range, unable to answer, or busy (voice calls only).
Off	Do not forward calls.

Checking Call Forwarding Status

Your network may store call forwarding status for you. To confirm the network call forwarding settings:

Find the Feature



> **Settings** > **Call Forward**
 > **Forward Status**
 > *type of call*



TTY Operation



You can use an optional TTY device with your phone to send and receive calls. You must plug the TTY device into the phone's headset jack and set the phone to operate in one of three TTY modes.

- Use a TSB-121 compliant cable (provided by the TTY manufacturer) to connect the TTY device to your phone.
- Set the phone volume to level 4 (middle setting) for proper operation. If you experience a high number of

incorrect characters, adjust the volume as necessary to minimize the error rate.

- For optimal performance, your phone should be at least 12 inches (30 centimeters) away from the TTY device. Placing the phone too close to the TTY device may cause high error rates.

Setting TTY Mode

When you set your phone to a TTY mode, it operates in that mode whenever the TTY device is connected.

Find the Feature



> **Settings** > **Initial Setup**
> **TTY Setup**



Press	To
1 up or down	scroll to the TTY mode
2 SELECT ()	select the TTY mode

The **TTY Setup** menu can include the following options:

Option	Description
TTY	Transmit and receive TTY characters.
VCO	Receive TTY characters but transmit by speaking into the microphone.
HCO	Transmit TTY characters but receive by listening to the earpiece.
Voice	Return to normal voice mode.

 When your phone is in a TTY mode, the international TTY symbol and the mode setting display during an active TTY call.

Returning to Voice Mode

To return to normal voice mode, select **Voice** from the **TTY Setup** menu.

Using Fixed Dialing



When you turn on fixed dialing, you can only call numbers stored in the fixed dial list. Use this feature to limit outgoing calls to a predefined list of numbers, country codes, area codes, or other prefixes.

Tip: Fixed dial list entries can be any length. If there is a fixed dial entry for the digits 555, users can call any number that starts with 555.



Turning Fixed Dialing On or Off

Find the Feature

 > **Settings** > **Security**
> **Fixed Dial**

Press	To
1 keypad keys	enter your SIM PIN2 code
2 OK ()	open the fixed dial menu
3  up or down	scroll to On or Off
4 SELECT ()	select the option

Using the Fixed Dial List

You must turn on fixed dialing to open the fixed dial list.

Find the Feature



> **Tools** > **Dialing Services**
> **Fixed Dial**

You create and edit fixed dial entries just like phonebook entries. Fixed dial entries are stored on your SIM card. The SIM card cannot store **Category**, **Type**, **Voice Name**, **Ringer ID**, or **Picture** information.

Using the Fast Menu



You can open preprogrammed Web pages or perform fun functions on your phone by selecting them from the **Fast Menu**.

Find the Feature



> **Tools** > **Fast Menu**

Using DTMF Tones

You can send numbers to the network as *Dual Tone Multi-Frequency* (DTMF) tones during a call. Use DTMF tones to communicate with automated systems that require you to submit a PIN code or credit card number.

Activating DTMF Tones

You can set DTMF tones to **Long**, **Short**, or **Off**:

Find the Feature



> **Settings** > **Initial Setup**
> **DTMF**

Short sends a short fixed-duration tone for each keypress.
Long sends each tone for as long as you press the key.
Short DTMF tones work with most automated systems.
Some systems (such as home answering machines) may require long tones for proper activation.

Sending DTMF Tones

Using the Keypad

Press the number keys to send the numbers as DTMF tones during a call.

Note: When sending long tones, you may have to enter a single short keypress first to put the phone in DTMF mode.

Sending Stored Numbers

During a call, highlight a number in the phonebook or recent calls lists, then:

Press	To
1 	open the sub-menu
2  up or down	scroll to Send Tones
3 SELECT 	send number as DTMF tones

Monitoring Phone Use

View and Reset Call Timers



Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call



by pressing . This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your service provider. For billing information, please contact your service provider directly.

To view a call timer:

Find the Feature



> Recent Calls > Call Times

Select one of the following options:

Option	Description
Last Call	Approximate time spent on the last dialed or received call. You cannot reset this timer.
Dialed Calls	Approximate total time spent on dialed calls since the last time you reset this timer.
Received Calls	Approximate total time spent on calls received since the last time you reset this timer.
All Calls	Approximate total time spent on dialed and received calls since the last time you reset this timer.
Lifetime	Approximate total time spent on all calls on this phone. You cannot reset this timer.



To reset the call timer:

Press	To
1 RESET ()	reset the time (if available)
2 YES ()	confirm the reset

Using a Timer During a Call

You can set a timer to beep at selected intervals during a call, and display different types of information during a call.

Find the Feature



> **Settings** > **In-Call Setup** > **In-Call Timer**

Select one of the following **Beep** options:

Option	Description
60 Seconds	Beep at one-minute intervals during a call.
Off	No in-call beep.

Select one of the following **Display** options:

Option	Description
Time	Display the approximate elapsed time for the current call.
Off	No in-call timer display.



Using Handsfree Features



Your phone includes an integrated handsfree speaker that you can use for handsfree applications. You can also purchase an optional Motorola Original™ handsfree car kit, speakerphone, or headset for your phone. These accessories provide alternative ways for you to use your phone without using your hands.

When a hands free car kit or headset accessory is connected to your phone, the integrated speakerphone is disabled.

If the accessory supports Bluetooth® wireless connections, you can setup a Bluetooth wireless link with your phone (see page 139).



Note: The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Activating the Speakerphone

To use the speakerphone during an active call:

Press	To
SPEAKER () (if available) or  > Spkrphone On	activate the speakerphone

Automatic Answer

Set your phone to automatically answer calls after 2 rings (4 seconds) when connected to a car kit, speakerphone, or headset.

Find the Feature



> **Settings**
> **Car Settings** or **Headset**
> **Auto Answer**

Ringer Options

When connected to a headset, you can specify whether you want the phone or headset to sound the incoming call alert.

Find the Feature



> **Settings** > **Headset**
> **Ringer Options**



Press	To
1 up or down	scroll to Speaker Only , Headset Only , or Headset & Speaker
2 SELECT (	confirm the setting

Automatic Handsfree

Set your phone to automatically route calls to a car kit when it detects a connection.

Find the Feature



> **Settings** > **Car Settings**
> **Auto Handsfree**

Press	To
1  up or down	scroll to On or Off
2 SELECT ()	confirm the setting

Power-off Delay

When connected to a car kit, you can set your phone to stay on for a period of time after you switch off the ignition. This prevents the phone from draining your vehicle battery, but leaves the phone on long enough that you do not have to re-enter your unlock code when making short stops.

Find the Feature



> **Settings** > **Car Settings**
> **Power-off Delay**



Press	To
1  up or down	scroll to the time delay
2 SELECT ()	confirm your selection

Note: This feature may not work with all car ignition switches.

Caution: If you select **Continuous**, the phone does not power off when you turn off the ignition. Be careful not to drain your vehicle battery if you select this option.

Charger Time

When connected to a car kit, you can set your phone to charge itself for a specified time period after you switch off the ignition. This helps ensure that the phone battery gets fully charged while the vehicle is parked.

Press	To
1  up or down	scroll to the charge time
2 SELECT ()	confirm your selection

Note: This feature may not work with all car ignition switches.

Using Applications During a Call

During a call, you can easily switch to other phone features or make a new data, browser, or voice call connection.

Press **SWAP** () to open a list of options. The list of options includes phone applications, such as **Phonebook** and **Datebook**.

Connecting Your Phone to an External Device

You can connect your phone to a computer or hand-held device using a:

- Bluetooth® wireless link (see page 139)
- Infrared (IrDA) wireless link
- USB cable



Note: Not all devices are compatible with all types of connections. Check your external device for specifications.

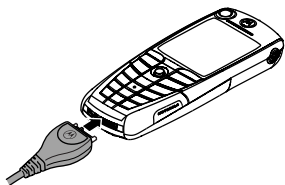
Setting Up a Cable Connection

Attach a Motorola Original™ USB cable to the phone and external device as follows.

Note: Check your computer or hand-held device to determine the type of cable you need.

Action

- 1 Plug the end of the cable with the Motorola logo into the phone's accessory connector port. Make sure that the logo and the phone are both facing you.



- 2 Plug the other end—the USB connection—into the USB port on the device.

Setting Up an Infrared Connection

Establish an infrared wireless data connection with an external device as follows.

- This phone is classified as a Class 1 LED product and is considered safe under reasonable use.
- Your phone must be within one foot (30 centimeters) of the other device. Nothing can block the line of sight between the two devices.

Find the Feature

 > **Settings** > **Connection**
> **IrDA Link**

Press	To
START ()	activate the infrared link

If the phone does not find an infrared-capable device, it changes the right soft key () from **STOP** to **START**.

Press	To
START ()	try another connection

To break the infrared data connection, press **STOP** ()
You can also move the device away from the phone, turn off the device, or turn off the phone. If your phone moves away from a connected device while it is still on, it will try to re-connect for 30 seconds after the connection breaks.



Setting Up a Bluetooth® Wireless Connection

Your phone supports Bluetooth wireless connections. You can set up a wireless link with a Bluetooth-enabled headset accessory, speakerphone, or handsfree car kit, or connect to a computer or hand-held device to exchange and synchronize data.

Your phone supports the following Bluetooth device profiles:

- headset

- handsfree
- dial-up networking
- object exchange
- file transfer

Before connecting your phone to another Bluetooth device, set up the other device as described in its user guide.

For a PC, set up the Bluetooth accessory card, card drivers, and application software. If you want to use Dial-up Networking Services, configure them for the Bluetooth modem as described in the software and modem user guides.

Your phone must be within 33 feet (10 meters) of the other device.



Searching For Other Devices

To connect your phone to a headset accessory or external device:

Find the Feature



> **Settings** > **Connection**
 > **Bluetooth Link** > **Handsfree**
 > **[Look For Devices]**

Your phone presents a list of device(s) located within range of the phone. If your phone is already connected to a device, your phone lists the connected device and identifies it with a ✓ (in use) indicator.

To connect to a device, highlight the device name and press **SELECT** ()

The device may request permission to bond with your phone. Select **YES** () and enter the correct PIN code to create a secure connection with the device. When the connection is made, the  (Bluetooth) indicator or a **Bluetooth Connected** message displays in the home screen.

Making Your Phone Visible to Other Devices

To allow an unknown Bluetooth® device to discover and connect to your phone:

Find the Feature

 > **Settings** > **Connection**
> **Bluetooth Link** > **Setup**
> **Find Me**

The  (Bluetooth) indicator or Bluetooth message flashes, and the phone goes into discoverable mode until a connection is made, or until 60 seconds elapse.

The device may request permission to bond with your phone. Select **YES** () and enter the correct PIN code to create a secure connection with the device.

Connecting to Recognized Devices

Your phone stores the names of previously connected devices, and lists the recognized devices located within range of the phone when you open the **Handsfree** menu. If your phone is already connected to a device, your phone lists the connected device and identifies it with a ✓ (in use) indicator.

To connect to a recognized handsfree device:



Find the Feature

 > **Settings** > **Connection**
> **Bluetooth Link** > **Handsfree**
> *device name*

For a Motorola headset or other audio device, your phone automatically attempts to connect to the device.

Disconnecting From a Device

The device connected to your phone is identified with a ✓ (in use) indicator. To disconnect from the device, highlight the device name and press **DROP** (.

Switching To a Headset Or Car Kit During a Call

You can switch to a headset or car kit audio device during a call, either from the audio device or from your phone.



Switching From the Audio Device

To connect to your phone from a headset or car kit audio device, press the device's Bluetooth® button to route all audio to the device.

Switching From Your Phone

To connect your phone to a recognized headset or car kit audio device, press  > **Use Bluetooth** during a call to route all audio to the device. Your phone attempts to reconnect to the most recently used audio device.

To switch back to the phone, press  > **Use Handset** during a call to route all audio back to the phone.

Sending Objects to Another Device

You can use a Bluetooth® wireless connection to copy a picture, sound, phonebook entry, datebook event, or

bookmark from your phone to another phone, computer, or hand-held device.

Highlight the item on your phone that you want to copy to the other device, then press  > **Send** > **Bluetooth**.

Select a recognized device name listed in the **Object Exchange** menu, or **[Look For Devices]** to search for the device to which you want to copy the item.

Editing Device Properties

To edit the properties of a recognized device, highlight the device name and press  > **Edit**. You can edit the following options:

Option	Description
Name	The name of the device as it displays in the device list.
Access	Determines how a device connects to the phone: Automatic: Device is automatically connected to the phone without user interaction. Ask: Device must request permission to connect.

Setting Your Phone's Bluetooth Options

Find the Feature

 > **Settings** > **Connection**
> **Bluetooth Link** > **Setup**

You can set the following options. Some options may not be available for all phone models.



Option	Description
Power	Set to On to enable Bluetooth functionality on your phone. Set Off to disable Bluetooth when you want privacy or when Bluetooth use is prohibited.
Name	Your phone's device name that is sent to other Bluetooth devices.
Voice Dial	Set to On to transfer voice key functionality to the Bluetooth button on a headset accessory when connected. Note: This feature may not work with all headset accessories.



Making Data Calls



An optional Motorola Original™ data kit (which includes a cable connector) lets you transfer data between your phone and a computer or handheld device. You can:

- Synchronize phonebook and datebook information between your phone and a computer or PDA.
- Use your phone as a modem to connect to the Internet.
- Use your phone to send and receive data calls from your computer or handheld device.

Installing the Software

To transfer data between your phone and computer, you must install the software included with the Motorola Original™ data kit. See the data kit user's guide for more information.

Making a Data Call

Use this procedure to send data from a connected computer or hand-held device using a CSD or GPRS network connection.

Action

- 1 Make sure that the phone is connected and powered on. To connect your phone, see page 137.
- 2 Open the application (such as dial-up-networking) on your computer, and place the call through the application.

Note: You cannot dial data numbers through your phone's keypad. You must dial them through your computer.

- 3 When the transfer is complete, end the call from the connected device to close the connection.

Receiving a Data Call

Use this procedure to transfer a data call to a connected computer or hand-held device.



Transferring the Data

To connect your phone, see page 137. Your phone notifies you when the call arrives, and transfers the call to the connected device. Use the application running on the device to answer the call.

Ending the Data Connection

When the transfer is complete, end the call from the connected device to close the connection.

Using Sync

You can quickly synchronize your phonebook and datebook entries with an Internet server using a wireless connection.



Creating an Internet Sync Partner

To enter a computer as a sync partner for your phone:

Find the Feature



> **Settings** > **Connection**
> **Sync** > **New Entry**

Your phone opens a **Partner Details** list:

Option	Description
Name	Assign a common name to the computer (such as work server)
URL	The URL for the server (you can omit http://)
User Name	User name to log on to the server

Option	Description
Password	Password to log on to the server
Data Paths	Name of the folder (beneath the URL path) where your data is stored

Using an Internet Sync Partner

To synchronize your phone's entries with a sync partner:

Find the Feature



> **Settings** > **Connection**
> **Sync** > *partner name*

Your phone attempts to make a sync connection with the sync partner. This might take several minutes, if there are many entries to synchronize.

Sending Files from Your Phone

You can send pictures, videos, sounds, bookmarks, events, and phonebook entries to a connected computer. Open the object you want to send on your phone, then:

Find the Feature



> **Send** > *sending method*

If you choose **IrDA** or **Bluetooth** methods, this creates a wireless link that closes after the entry is sent. To set up a cable connection, see page 137.



Adjusting Network Settings



Your service provider registers your phone to its network. In some situations, such as using the phone as a modem or connecting it to a TTY device, you may need to change the network registration.

Note: Some settings and/or options described in this section may not be available for all phone models.

Finding a New Network

You may decide to switch to another network to improve the calling conditions, because of network coverage or roaming conditions. To select a new network:



Find the Feature



**> Settings > Network
> New Network**

Your phone locates and registers on the strongest network apart from the current network.

Listing All Networks

View a list of available networks, and register your phone with a network.

Find the Feature



**> Settings > Network
> Available Networks**

Your phone displays a list of available networks.

Press	To
1  up or down	scroll to the network you want
2 VIEW ()	view network details
3 REGISTER ()	register with the network

Changing Network Setup Values

Set how your phone searches for a network connection.

Note: Actual field names and values may vary depending on the technologies available to your service provider.

Find the Feature



> **Settings** > **Network**
> **Network Setup**

Press	To
1  up or down	scroll to an item to change
2 CHANGE ()	open the item's list
3  up or down	scroll to an option described in the following lists
4 SELECT ()	select the option

Network search **Type** options:

Option	Description
Automatic	Scan for networks automatically based on priority.
Manual	View a list of all networks from which you can choose.

Network search **Speed** options:



Option	Description
Slow	Slowest network search and repeat rate.
Medium	Medium search/repeat.
Fast	Fast search/repeat.
Continuous	Continuous search until a network is found.

Adjusting Service Tones

You can set your phone to beep each time the network registration status changes.

Find the Feature



> **Settings > Network**
> **Service Tone > On or Off**



Setting the Call Drop Alert

You can set your phone to emit an alert tone whenever the network drops a call. Because digital networks are so quiet, the call drop alert may be your only indication that a call has been dropped.

Find the Feature



> **Settings > Network**
> **Call Drop Tone > On or Off**

Monitoring Battery Charge

To view a detailed battery charge meter:

Find the Feature



> **Settings > Phone Status**
> **Battery Meter**

Viewing Phone Specifications



To view your phone's feature specifications:

Find the Feature



**> Settings > Phone Status
> Other Information**



Getting More Out of Your Phone

Personal Organizer

Datebook

The datebook is a calendar that you can use to schedule and organize events such as appointments and meetings. You must set the correct time and date to use the datebook.

To schedule or review datebook events:

Find the Feature



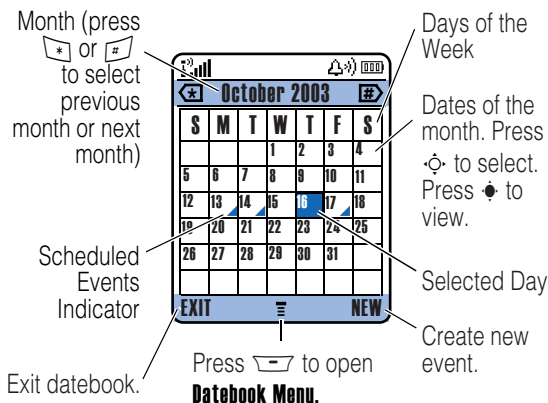
> **Datebook**

Month View

When the default view is set to month, the datebook initially displays a calendar for the month. An indicator in



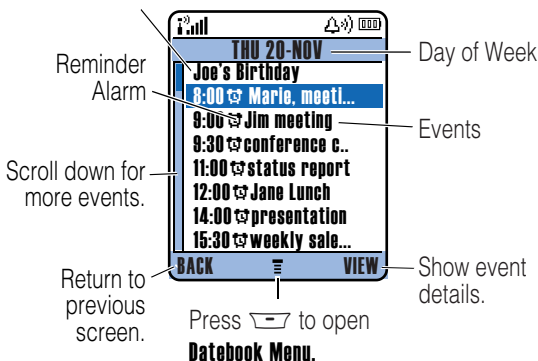
the lower right corner of the date box indicates that one or more events are scheduled for the day.



Day View

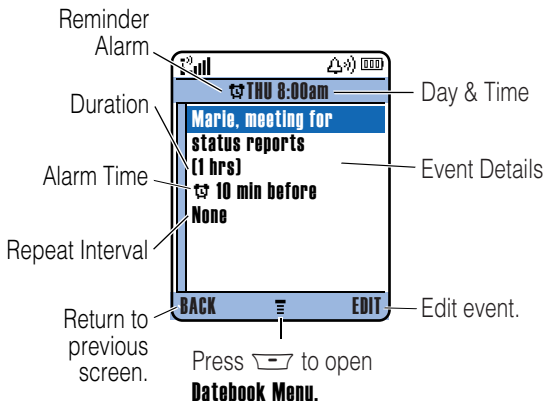
Select a day and press the center select button to see the day's events.

Untimed Event



Event View

Select an event and press **VIEW** () to see event details.



Creating a Datebook Event

A title is required for a datebook event. All other information is optional.

- You must create an event to use the reminder alarm.
- Your phone must be turned on for the reminder alarm to sound.



Find the Feature

 > **Datebook** > *day*



Press	To
1 NEW ()	select New
2 SELECT ()	select Event
3 CHANGE ()	select Title
4 keypad keys	enter a title for the event
Tip: Press to select a text entry mode. Tip: For details, see page 37.	
5 OK ()	store the event title
6 up or down	scroll to other fields and enter information as necessary
	You can set start time, duration, date, repeat interval, and reminder alarm.
7 DONE ()	store the event

Creating a Datebook To Do

You can create a **To Do** in your datebook to indicate an ongoing task with a start date, deadline, and status. A summary is required for a **To Do**. All other information is optional.

Find the Feature

> **Datebook** > *day*

Press	To
1 NEW ()	select New
2 up or down	scroll to To Do



Press	To
3 SELECT ()	select To Do
4 CHANGE ()	select Summary
5 keypad keys	enter a summary for the To Do
Tip: Press  to select a text entry mode.	
Tip: For details, see page 37.	
6 OK ()	store the To Do summary
7  up or down	scroll to other fields and enter information as necessary
You can set start date, deadline, priority, completed date, category, and status.	
8 DONE ()	store the To Do

Changing Event Information

Find the Feature

 > **Datebook**

Press	To
1  up or down	scroll to the day
2 center select button	display the day view
3  up or down	scroll to the event
4 center select button	display the event view
5 EDIT ()	edit the event



Press	To
6  up or down	scroll to the information you want to change
7 CHANGE ()	edit the information
8 keypad keys	enter new information
9 DONE ()	store the information

Copying an Event

Find the Feature

 > **Datebook**

Press	To
1  up or down	scroll to the day
2 center select button	display the day view
3  up or down	scroll to the event
4 	open the Datebook Menu
5  up or down	scroll to Copy
6 SELECT ()	copy the event
7 keypad keys	enter the date information
8  to the right	move to month, day, and year
9 OK ()	save the copy of the event
10  up or down	scroll to and edit event information, if necessary
11 DONE ()	store the information

Deleting an Event

Find the Feature

 > **Datebook**

Press	To
1  up or down	scroll to the day
2 center select button	display the day view
3  up or down	scroll to the event
4 	open the Datebook Menu
5  up or down	scroll to Delete
6 SELECT ()	select Delete
7 YES ()	confirm the deletion

Viewing and Dismissing an Event Reminder

When you set a reminder alarm for an event, the phone displays an event reminder and sounds a reminder alarm. To view or dismiss an event reminder:

Press	To
VIEW ()	view the event
or	Press  up or down to scroll through the event details.
EXIT ()	dismiss the reminder

If you have more than one event set up for the same time, the phone displays each event in sequence. As you view and dismiss each event reminder, the next event is displayed.



Copying a Datebook Event to Another Device

You can use a Bluetooth® wireless connection to copy a datebook event from your phone to another phone, computer, or hand-held device. For more information, see page 139.

Synchronizing Datebook Entries



You can synchronize datebook entries between your phone and computer or handheld device with Mobile PhoneTools software, an accessory for Motorola phones. See the Mobile PhoneTools user's guide for more information.

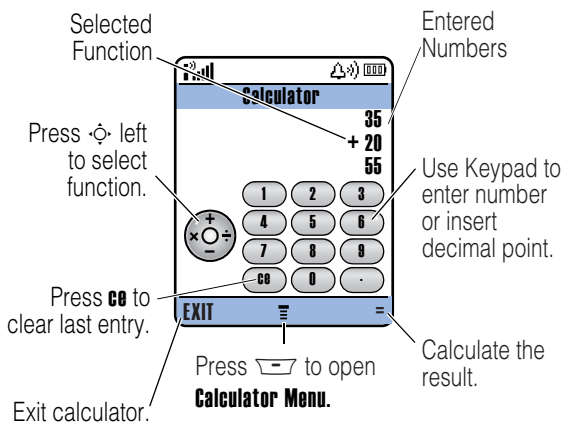
Note: Mobile PhoneTools software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software products.

If the other device supports Bluetooth® wireless connections, you can set up a Bluetooth wireless link with your phone to synchronize datebook entries.



Calculator

You can use your phone as a calculator and currency converter.



Calculating Numbers

Find the Feature

 > Tools > Calculator

Press	To
1 number keys	enter a number
2 + or - up or down	select a calculator function
3 number keys	enter next number
4 = ()	calculate the result

Press **C** to clear the calculation. Press **CE** (clear entry) to clear the last entry when performing a calculation.



Press  to open the **Calculator Menu** to perform the following functions:

Function	Description
+/-	Change the entry's sign (positive/negative).
MS	Store the value in memory (overwrites values already stored).
MC	Clear the value stored in memory.
MR	Replace the displayed value with the value stored in memory.
%	Divide the displayed value by 100.
Convert Currency	Multiply the displayed value by the Exchange Rate you stored.
Exchange Rate	Store an exchange rate to use with the Convert Currency option.

Converting Currency



The currency converter works just like the calculator, but converts a currency value based on the exchange rate you specify:

Find the Feature

 > **Tools** > **Calculator**

 > **Exchange Rate**

Press	To
1 number keys	enter the exchange rate
2 OK ()	store the exchange rate

Press	To
3 number keys	enter the amount to convert (amount to multiply by the exchange rate)
4 	open the Calculator Menu
5  up or down	scroll to Convert Currency
6 SELECT ()	perform the conversion



Security

Locking the SIM Card

Your *Personal Identification Number* (PIN) code protects the information stored on your SIM card. When the SIM card is locked, you must enter your SIM card PIN code to unlock the SIM card each time you turn on the phone or insert the SIM card in the phone. Your SIM card PIN code is given to you by your service provider.

Find the Feature



> **Settings** > **Security**
> **SIM PIN**

Press	To
1 up or down	scroll to On or Off
2 SELECT ()	switch SIM PIN lock on or off
3 keypad keys	enter your SIM card PIN code
4 OK ()	submit your code

Unblock the SIM Card PIN Code

If you enter an incorrect SIM card PIN code three times in a row, your SIM card is disabled and your phone displays **SIM Blocked**. You must enter a PIN unblocking key (PUK) code, which you can obtain from your service provider.

Caution: In the following key sequence, each key press must occur within two seconds of the previous keypress. If the unblocking attempt is tried unsuccessfully



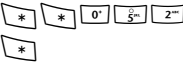
10 times, the SIM card is permanently disabled and your phone displays **SIM Disabled**.

Press	To
1     	open the PIN unblocking editor
2 keypad keys	enter the PUK code
3 OK ()	submit the PUK code
4 keypad keys	enter a new SIM card PIN code
Note: The SIM PIN code must be between 4 and 8 digits in length.	
5 OK ()	assign the new SIM PIN code
6 keypad keys	re-enter the new SIM PIN code
7 OK ()	confirm the new SIM PIN code and unblock the SIM card

Unblock the SIM Card PIN2 Code

If you enter an incorrect SIM card PIN2 code 3 times in a row, your phone's SIM PIN2 protected features are disabled and your phone displays **SIM Blocked** when you try to use a PIN2 feature. You must enter a PIN2 unblocking key (PUK2) code, which you can obtain from your service provider.



Press	To
1 	open the PIN2 unblocking editor
2 keypad keys	enter the PUK2 code
3 OK ()	submit the PUK2 code
4 keypad keys	enter a new SIM card PIN2 code
Note: The SIM PIN2 code must be between 4 and 8 digits in length.	
5 OK (+)	assign the new SIM PIN2 code
6 keypad keys	re-enter the new SIM PIN2 code
7 OK ()	confirm the new SIM PIN2 code and unblock PIN2 features

Locking and Unlocking Applications

You can lock specific phone applications (such as the phonebook) so that users must enter the unlock code to use them.

Find the Feature



> **Settings** > **Security**
> **Lock Application**



Press	To
1 keypad keys	enter your unlock code
2 OK ()	open the lock application menu
3  up or down	scroll to the application
4 CHANGE ()	select the application
5  up or down	scroll to Locked or Unlocked
6 SELECT ()	select Locked or Unlocked



News and Entertainment



Micro-Browser



The micro-browser lets you access Web pages and Web-based applications on your phone. Contact your service provider to set up access, if necessary.

Your phone may use a high-speed *General Packet Radio Service* (GPRS) network connection. This type of connection is identified by a  (GPRS) indicator in the home screen that disappears when you start a micro-browser session. If you see an  (in-call) indicator during a micro-browser session, your phone is using a standard voice channel connection. The type of network connection your phone uses depends on your service provider's network. Your network connection charges may vary depending on the type of connection used.

Note: Some features on your phone might open a browser session automatically.

Starting a Micro-Browser Session

Find the Feature





Press	To
1 up or down	scroll to a bookmark, service, or application
2 SELECT ()	select the item

Shortcut: If you open a text message with a Web address (URL) embedded in it, you can press  > **Go To** to launch the micro-browser and go directly to the URL.

If you are unable to establish a network connection with the micro-browser, contact your service provider.

Interacting With Web Pages

Press	To
up or down	scroll through text, or highlight a selectable item
SELECT ()	select the highlighted item
keypad keys, followed by OK ()	enter information Tip: Press DELETE () to delete one letter at a time if you make a mistake.
BACK ()	go back to the previous page
	open the Browser Menu

Downloading Objects From a Web Page

You can download a picture, sound, or other object from a Web page by selecting its link. You can store these media objects on your phone, and use them as wallpaper images, screen saver images, and event alerts.



- The files that you download or receive as attachments might have a lock that keeps you from saving them on external memory, forwarding them, or editing them.
- If you receive a call during the download, press **SWAP** () to answer the call without ending the download.
- To end a download in progress, press .

Storing a Picture File

Press	To
1 STORE ()	view storage options
2  up or down	scroll to Store Only , Apply as Wallpaper or Apply as Screen Saver
3 SELECT ()	select the option

Storing a Sound File

Press	To
1 STORE ()	view storage options
2  up or down	scroll to Store Only or Set As Ring Tone



Press	To
3 SELECT ()	select the option If you select Store Only , the procedure is complete. If you select Set As Ring Tone , your phone displays Set As Which? , and lists the events for which you can set an alert.
4  up or down	scroll to the event
5 SELECT ()	store the sound and set it as the event alert

Note: Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to **Vibrate** or **VibeCRing**. To turn off these vibrations, select  > **Settings** > **Haptics** > **Off**.

Storing a Video Clip

Press	To
STORE ()	store the video clip

Selecting or Creating a Web Session

Use this feature to select or create a Web session, or network connection profile. You can use different Web sessions to connect to the Internet in different ways.

Find the Feature

 > **Tools** > **Web Access**
> **Web Sessions**

Contact your service provider to obtain Web session settings, if necessary.



Running the Micro-Browser in the Background

Some phones are set up to run a micro-browser session in the background when the phone registers with a network. This lets your phone display information services messages sent by your service provider (such as stock updates, news headlines, or sports scores). These types of services typically are available through subscription from your service provider.

Setting Up Browser Messages

Find the Feature



> **Messages**



> **Brwsr Msg Setup** > **Service**

Option	Description
Off	stops all browser messages
Receive All	allows all browser messages
Restricted	allows only browser messages from your service center number

Games and Applications



You can install and run Java™ applications on your phone. These applications add new features and services to your phone.

- Java applications can use your phone's Assisted Global Positioning Service (AGPS) to tell where you

are physically located. To turn AGPS on or off, contact your service provider.

- Java applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under  > **Settings** > **Java Settings**.



Downloading an Application With the Micro-Browser

Find the Feature



Go to the page that contains the application, then:

Press	To
1  up or down	scroll to the application
2 SELECT ()	view the application details
3 DOWNLOAD ()	download the application

Note: If you do not have enough phone memory to download a Java™ application, you can free memory space by deleting unused Java applications.

Launching a Java™ Application

Find the Feature



> **Games & Apps**

Press	To
1  up or down	scroll to the application
2 SELECT ()	launch the application, or open the list of applications in a suite



Press	To
3 up or down	scroll to the application you want, if necessary
4 SELECT ()	launch the application

Analyzing or Deleting a Java™ Application

Find the Feature



> **Games & Apps**

Press	To
1 up or down	scroll to the application
2 	open the application manager menu
3 up or down	scroll to a menu option
4 SELECT ()	select the option to perform options as described in the following list

The application manager menu can include the following options:

Option	Description
View Details	Display the suite name, vendor, version, number of apps, flash usage, and memory requirements.



Option	Description
Delete	Delete the suite.
Show/Hide Memory	Show or hide the application's memory size in the application list view.

Viewing Java™ Version and Available Memory

To view Java version information, or the amount of phone memory available for Java applications:

Find the Feature



> **Settings** > **Java Settings**
> **Java System**

Press	To
1 up or down	scroll through information as described in the following list
2 BACK (	close the display

Option	Displays
CLDC Version	Your phone's connected limited device configuration version.
MIDP Version	Your phone's mobile information device profile version.



Option	Displays
Data Space (both Java and non-Java data space)	Memory available for application data (such as game scores or application settings), and for downloaded graphics, sounds, all camera photos and MMS messages.
Program Space	Memory available for Java applications.
Heap Size	Amount of runtime memory available for Java applications.
Flash Space	Available space for Java applications, including free memory and used memory.

Note: If you do not have enough phone memory to download a Java application, you can free memory space by deleting unused Java applications.

Creating and Editing Ring Tones

You can create and store custom ring tones on your phone. The ring tones display in the list of available alerts.

Creating a Tone

Find the Feature



> **Settings** > **Ring Styles**
> **My Tones** > **[New Tone]**



Press	To
1 CHANGE ()	select Notes
2 up or down or keypad keys	enter notes (see following section)
3 OK ()	store the notes
4 CHANGE ()	select Name
5 keypad keys	enter the name for the tone
6 OK ()	store the name
7 DONE ()	store the tone

Entering Notes

Press up or down to select a note in octaves 0-8.

- **Basic notes:** c d e f g a b
- **Sharp Notes:** #c #d #f #g #a

You can also enter note details and rests. For example, ***2#g0r** plays a second-octave G sharp whole note followed by a rest. Press number keys repeatedly to cycle through the options in the following table.

Tip: Press > **Play All** at any time to play the notes you have entered.

Note Table



Key	Display	Description
0'	0	whole note, as in *4c0
	*	sets an octave when followed by 0-8, as in *4c for a C note in octave four
	#	sharp note, as in *4#c
	b	flat note, as in *4cb
-1	1	1/2 note, as in *4c1
	.	dotted note, as in *4c. which is 1 and 1/2 counts
	:	double dotted note, as in *1a: which is 1 and 3/4 counts
	;	2/3 note, as in *1a;
2'''	a	note A
	b	note B
	c	note C
	2	1/4 note, as in *4c2
3'''	d	note D
	e	note E
	f	note F
	3	1/8 note, as in *4c3



Key	Display	Description
	g	note G
	4	1/16 note, as in *1c4
	5	1/32 note, as in *4c5
	6	sets octave six, as in *6
	r	inserts a rest (you can add length modifiers, as in r1)
	7	sets octave seven, as in *7
	8	sets octave eight, as in *8
	move cursor left	
	move cursor right	

Example

To create a simple tone, you can enter notes by pressing up and down, and enter rests by pressing . For example:



Press	To	Display
1	scroll up to *4c , then wait for the highlight to disappear	*4c
2	scroll up to *4d The phone adds a 2 after each note, to indicate it is a half note. To change the length, see the note table.	*4c2*4d
3	scroll up to *4e	*4c2*4d2*4e
4	enter a rest	*4c2*4d2*4e2r
5	scroll down to *4c	*4c2*4d2*4e2r2*4c
6 > Play All	play the tone	

Playing a Tone

Find the Feature



> **Multimedia** > **Sounds**

Press	To
1 up or down	scroll to the tone
2 PLAY ()	play the tone
3 BACK ()	return to the tones list

Editing a Tone

You cannot edit the predefined ring tones included with your phone. To edit a ring tone that you created:

Find the Feature



> **Settings** > **Ring Styles**
> **My Tones**



Press	To
1	scroll to the tone
2 EDIT (	open the tone details
3	scroll to Notes
4 CHANGE (	select Notes
5	move the cursor to the right of the note information you want to edit
6 DELETE (	delete note information
7	enter new note information
or keypad keys	
8 OK (	store new note information
9 DONE (	save your changes

Deleting a Tone

You cannot delete the predefined ring tones included with your phone. To delete a ring tone that you created:

Find the Feature



> **Multimedia** > **Sounds**



Press	To
1	up or down scroll to the tone
2	open the menu
3	up or down scroll to Delete
4 SELECT (	select Delete
5 YES (	confirm the deletion

Downloading a Tone

To download a ring tone with the micro-browser, see page 169. To store a ring tone from a message, see page 81.

Sending a Tone

You can send ring tones to other wireless phone users. To insert a tone in a text message, see page 72.

Camera

For instructions on how to take and send photos, see page 19.

To adjust camera settings:

Find the Feature

> **Multimedia** > **Camera** or
Video Camera or **Pictures**

> **Setup**

The **Pictures Setup** menu can include the following options:



Option	Description
Auto Repeat	Turn the automatic repeat for animations On or Off .
Shuffle	Turn the shuffle display for pictures On or Off .
Lighting Conditions	Set to Automatic , Sunny , Cloudy , Indoor (Home) , Indoor (Office) , or Night .
Exposure	Set to +2 , +1 , 0 , -1 , or -2 .
Resolution	Set the camera to capture photos at the following resolutions: MMS (160x120 pixels), Medium (320x240 pixels), or High (640x480 pixels)
Shutter Tone	Activate a tone that sounds when you take a photo. Can be set to None , Chimp , Quack , Flix , Boing , or Click .
Status Icons	Turn status icons On or Off in camera viewfinder mode.

Troubleshooting

Check these questions first if you have problems with your phone. If you need additional help, contact the Motorola Customer Call Center at 1-800-331-6456 (USA) or 1-800-461-4575 (Canada).



Question	Answer
Is your battery charged? Do you see  in the display?	The battery level indicator should have at least one segment showing (). If it does not, recharge your battery. See page 14.
Do you have a valid SIM card inserted in your phone?	If necessary, turn off your phone and make sure that you have inserted a valid SIM card. See page 10.
Does the handset have a signal? Do you see  in the display?	The signal strength indicator should have at least one segment showing (). If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, press the upper volume key on the side of your phone.



Question	Answer
Is the other party unable to hear you?	Your phone may be muted. Press UNMUTE () if necessary to unmute the phone. Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.
Has the phone been damaged, dropped, or gotten wet?	Dropping your phone, getting it wet, or using a non-Motorola battery or battery charger can damage the phone. The phone's limited warranty does not cover liquid damage or damage caused from using non-Motorola accessories.
Was a non-Motorola battery or battery charger used?	

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).
I forgot my password.	See page 50.



Problem	Solution
I pressed the power key, but nothing happened.	Be sure to press and hold  (power key) until the display appears and you hear an alert. This could take several seconds. If nothing happens, check that a charged battery is installed. See page 14.
The display says: Insert SIM Card or Check SIM Card even though I have inserted my SIM card in the phone.	The SIM card may be incorrectly inserted. Check the SIM card to make sure that it is inserted properly. See page 10.
The display says: SIM Blocked . How do I unblock my SIM card?	Call your service provider (the company that sends you your monthly wireless service bill) to obtain the PIN unblocking key (PUK) code. See page 164.
The display says: Enter Unlock Code . How do I unlock my phone?	Enter the factory-preset unlock code (1234), or the last 4 digits of your phone number. If this fails, call your service provider (the company that sends you your monthly wireless service bill).



Problem	Solution
My phone asks for an unlock code when I try to open a feature.	The application you want is locked. If you do not know the unlock code, see page 50.
My phone does not ring.	If you see  or  in the display, then the ringer is turned off. To change the ring style, see page 114. Also, the ringer may be set to Silent even though your phone is set to an audible ring style (see page 114).
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display shows the name of your service provider before making a call.
I cannot make/answer calls.	Make sure that you have a phone signal (the signal strength indicator should have at least one segment showing). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings. Also, check to be sure your SIM card is installed and working.



Problem	Solution
My phone has poor reception and drops calls.	Make sure you have a phone signal (the signal strength indicator should have at least one segment showing). Stay clear of any obstructions such as bridges, parking garages, or tall buildings.
I cannot hear others on my phone.	While on a call, press the upper volume key. Your phone display should show the volume increasing. Also, make sure that your phone's earpiece is not blocked by its carrying case.
I cannot open my text message inbox.	Before you can use text messages, you must set up the message inbox. Contact your service provider.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received: ☎ > Recent Calls > Received Calls or Dialed Calls



Problem	Solution
My phone will not dial voicemail commands, passwords, or other codes.	You must send PIN codes and passwords as DTMF tones while on a call. You can set your phone's DTMF tones to be Long, Short, or Off. If you have trouble sending numbers, try changing the DTMF setting. 1 From the home screen, press:  > Settings > Initial Setup > DTMF 2 Press  up or down to scroll to Long or Short. 3 Press SELECT () to select it.
My phone's display is too dark.	Use the Brightness feature to change the brightness level in your display (see page 56). You can also use the Backlight feature to change the length of time that the display backlight stays on (see page 56).
My battery didn't last as long as I expected. What can I do to extend battery life?	Your battery's performance is affected by charge time, feature use, temperature changes, backlight use, and other factors. For tips on extending battery life, see page 11.



Problem	Solution
I am unable to record a voice name	Try moving to a quieter location to make your voice recording. Hold the phone about 4 inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.
My TTY device doesn't work with my phone.	Your phone must be set to a TTY mode for the phone to detect your TTY device. See page 127.
I plugged the data cable into my phone but my phone did not beep. How do I know if the data cable is ready?	The beep indicates that you are set up correctly. If you did not hear a beep, make sure that both ends of the data cable are connected—the smaller end to your phone and the larger end to your computer. Also, your computer may have deactivated the port to save power. Try opening an application that uses the port, like a dial-up application, to automatically activate the port.



Problem	Solution
My phone beeped when I attached the data cable, but my data applications do not work.	Some wireless networks may not support data transmission. If you are roaming on an unfamiliar network, this may be the case. Also, remember that data transmission usually requires a subscription. Call your service provider for more information.
When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?	19200 Kbps is the data transfer rate of the connection between your computer and the phone in a standard Circuit Switch Data (CSD) connection. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600 Kbps. Note: A GPRS connection may have a higher data transfer rate.
I can't end my data call by closing the application on my computer. What can I do?	Try pressing  on your phone. Also try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer. These alternative methods may disrupt the application on your computer.



Problem	Solution
I launched the micro-browser but the display says: Network Not Available.	You may be in an area without service, or you may be connected to a network that does not support Internet access.
I launched the micro-browser but the display says: Server Not Responding.	Try again in a few minutes. The servers may be temporarily busy.

Specific Absorption Rate Data

The model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.¹ Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 1.51 W/kg, and when worn on the body, as

described in this user guide, is 0.41 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).²

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://www.phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

<http://www.cwta.ca>

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

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MOTOROLA

***IMPORTANT SAFETY AND LEGAL
INFORMATION>***

Software Copyright Notice

The Motorola products described in this manual may include copyrighted Motorola and third party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

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Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION.
READ THIS INFORMATION BEFORE USING YOUR PHONE.

The information provided in this document supersedes the general safety information in user's guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

External Antenna Care

Use only the supplied or Motorola-approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch (2.5 centimeters) from your body when transmitting.

Data Operation

When using any data feature of the phone, with or without an accessory cable, position the phone and its antenna at least 1 inch (2.5 centimeters) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antennas, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at www.Motorola.com.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your phone when on board an aircraft. Any use of a phone must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use While Driving

Check the laws and regulations on the use of phones in the area where you drive. Always obey them.

When using your phone while driving, please:

- Give full attention to driving and to the road.
- Use handsfree operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Responsible driving best practices may be found in the “Wireless Phone Safety Tips” at the end of this manual and at the Motorola website: www.Motorola.com/callsmart.

Operational Warnings

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere. Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in areas posted “Turn off electronic devices.” Obey all signs and instructions.

Batteries

Batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
	Important safety information will follow.
	Your battery or phone should not be disposed of in a fire.
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash.
	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing

video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a flashing-lights feature on your phone. (The flashing-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate flashing lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a flashing-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

FDA Consumer Information on Wireless Phones



The U.S. Food and Drug Administration (FDA) provides consumer information on wireless phones at:

<http://www.fda.gov/cellphones/qa.html>

Following are safety-related questions and answers discussed at this web site.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio

frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly

precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) *charged two companies* that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, messaging devices, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase.

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided “as is” and without warranty.

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information

USA	Phones 1-800-331-6456 Pagers 1-800-548-9954 Two-Way Radios and Messaging Devices 1-800-353-2729
Canada	All Products 1-800-461-4575
TTY	TTY 1-888-390-6456
For Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A

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Product Registration

Online Product Registration:

<http://www.motorola.com/warranty>

Product registration is an important step toward enjoying your new Motorola product. Registering helps us facilitate warranty service, and permits us to contact you should your product require an update or other service. Registration is for U.S. residents only and is not required for warranty coverage.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola Personal Communications Product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

RF Energy Interference

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

Wireless: The New Recyclable

Your wireless phone can be recycled. Recycling your wireless phone reduces the amount of waste disposed in landfills and allows recycled materials to be incorporated into new products.

The Cellular Telecommunications Industry Association (CTIA) and its members encourage consumers to recycle their phones and have taken steps to promote the collection and environmentally sound recycling of end-of-life wireless devices.

As a wireless phone user, you have an important role in ensuring that this phone is recycled properly. When it comes time to give this phone up or trade it in for a new one, please remember that the phone, the charger, and many of its accessories can be recycled. It's easy. To learn more about CTIA's Recycling Program for Used Wireless Devices in the United States, including information on where to recycle wireless devices near you, please visit www.recyclewirelessphones.com.



MOTOROLA

Wireless Phone Safety Tips

“Safety is your most important call!”

Your Motorola wireless telephone gives you the powerful ability to communicate by voice—almost anywhere, anytime, wherever wireless phone service is available and safe conditions allow. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. If you find it necessary to use your wireless phone while behind the wheel of a car, practice good common sense and remember the following tips:

- 1 Get to know your Motorola wireless phone and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.



- 2 **When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless phone with one of the many Motorola Original™ hands-free accessories available today.
- 3 **Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- 4 **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- 5 **If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- 6 **Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- 7 **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.

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- 8 **Use your wireless phone to call for help.** Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.*
- 9 **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*
- 10 **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

Check the laws and regulations on the use of wireless telephones and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas.



For more information,
please call
1-888-901-SAFE
or visit the
CTIA Web site at
www.wow-com.comTM



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